



1

SEQUENCE LISTING

<110> Sun, Yongming  
Recipon, Herve  
Salceda, Susana  
Chenghua, Liu

<120> Compositions and Methods Relating to Ovary Specific Genes and Proteins

<130> DEX-0257

<140> US 10/007,280

<141> 2001-11-07

<150> US 60/246,640

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<160> 238

<170> PatentIn version 3.1

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gttaagacca gttacttgct aatcttaact tttagtcact aaggggaatt ttcaagacaa 180  
aactctaatt gagctactta cctaggaatg aggctcacgc tgaacactgc tgtctacat 240

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<212> DNA
<213> Homo sapien

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<212> DNA
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&lt;213&gt; Homo sapien

&lt;400&gt; 19

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agtgccttcc	tcacagcaat	gctgtgaagt	acttatcctc	cttgttcttc	tgaggaaaca	180
aggctgacag	gcctgagatc	acagagccag	taaatggtag	agtcaggaat	tgaacctgag	240
aattctgact	ccagactttc	ctgcttttagc	caccgtgcag	tact		284

&lt;210&gt; 20

&lt;211&gt; 1150

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 20

gatattttcc	ttcagagacc	ctttacattt	gagagatcct	ttagactttt	gtaaaactta	60
ataattttta	tttaataacta	gcggttaattg	aattcttcct	ctgtgcaagg	ccacgttcta	120
agtgccttcc	tcacagcaat	gctgtgaagt	acttatcctc	cttgttcttc	tgaggaaaca	180
aggctgacag	gcctgagatc	acagagccag	taaatggtag	agtcaggaat	tgaacctgag	240
aattctagac	tccagacttt	cctgcttttag	ccaccgtgca	gtactgccta	ttggtcagt	300
taccctgaga	tactcagttc	attttagttc	ctctaaagtt	ttgttattaa	aaagttactg	360
taaatgcatt	gtgtccagag	cattatagca	tacttttaaa	aattattcac	ttcttaagaa	420
ttctactcat	cccaccctca	tcttttgaaa	attaacactt	tacctacatg	acttaaaatc	480
atctgaagac	ttttaataag	ttgctgagtt	tcatgtttca	aaacctgtta	tctactactg	540
gagcaattaa	aattaacat	acaacaggta	acagggttaa	gtgactttgc	cttggtttta	600
actaagcaca	ggttttaagt	ttgtaagcgt	ggatagggtg	ggagcaagct	ctctagtggg	660
aatggatttt	aaacctaat	agtaagtga	aacctatgcag	aggcgtgctt	gtcgtgtga	720
gactgtgctg	tatgtgtcta	gactggtgga	gcagtacaga	gaacagagct	ggatgactat	780
ggccaatttg	gagaaagagc	tccaggagat	ggaggcacgg	tacgagaagg	agtttgagga	840
tggatcggat	gaaaatgaaa	tggagaaga	tgaactcaaa	gatgaggagg	atggtaatat	900
tatttttatt	ttatttatct	tttttgtttt	ttaagtgaag	ctggaaatct	ccttgcttat	960
ttgacatctc	ccaattttta	aatgtggcaa	ataattaaaa	ataatgttgt	atgggcaaaa	1020
ggtagtcggc	tgagctagtc	taattcaagt	aatttgatta	acaaattctt	ttctgaccat	1080
gtcctaaaca	gtgtgtactt	ctagctgcat	aatatgacaa	atggacatgt	ttaccagtgt	1140

gactatTTTT

1150

&lt;210&gt; 21

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 21

aaaaataaaa aaattcaatg aatcctgtaa atcctttcat tataaaataa atttggtatt 60

gatatacaat tatggcctct gagtagcctt tgaatcatct ttagattcta aacttaattc 120

tgaaaaatag ttttaccata gtataaaata gtttttatgt ttatattaga aaaatgatgt 180

ttaaatttat ttctaagaat tacttttaggc caggtgcaat ggttca 226

&lt;210&gt; 22

&lt;211&gt; 270

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 22

gcgtggcttc gattccggcg cctgcgtgtc accagcccag ggtggccgtg gaagctggac 60

ccgagccgca ggccccccag gctgggcctg ggaggaaagc ggtttgaaaa agatcggaac 120

tgaggaactc tcttagagcg ggggactccc tgctcctaca gccttaacca atgcccagcg 180

cttgaaaagt ggaggactcg gggattcggg agcgtttcag gcctggggaa atggaaggg 240

cggggaccta ggtgaaaggt tatttgccag 270

&lt;210&gt; 23

&lt;211&gt; 245

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 23

ggcacttgga ttgtctccat tctctgcacc caagctgtca gggccctcac cagaatgttt 60

acctaacacc ttctctctag tctggagtct ttgtagatgg aaaacttgat gtataaccct 120

ttgacttgat ttccaagaag caacagagtt aaaactgtta tttctagggt agtggcttca 180

tgcagggtgtg gtcaggtatt tttcctgaca gaggtgtgtg ttcttgttga ttgctttttc 240

ttttt 245

&lt;210&gt; 24

&lt;211&gt; 460

&lt;212&gt; DNA

&lt;213&gt; Homo sapien

&lt;400&gt; 24

atTTTTggtt ttaaattcca tacattctag tatttttgag acttttcact gcaaatttta 60



```

acatgcaaaa tgtacggcct ggtttccata agcataaata gtataaatgc caacaataag      120
aatgtcttct aagcagctaa atcttgtaag tttagttgga attgagacca gctatttggg      180
taagcgaatt agagtcttag tattgtaagt gggatatgtt atgtggcaca gggttgccaa      240
ctgcctgagt ctattcgtga gtcagaacga ctttgetgat gtgttgggcc aagccagccc      300
tggttggcag cctgggtgcag ccgtaaaatt cagccttaca aacagtctcc cgccattccc      360
gcaccatggg acttttagtgt tgtgtgtaac aacagtataa cctgctgtta gccattatc      420
aactgactgc tatgctaaac caaaattata ataataatgc      460

```

```

<210> 25
<211> 257
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (93)..(192)
<223> n= a, c, g or t

```

```

<400> 25
gtataatgat actaatcgta aaaacaaaaa aaatctacta agtacttacc atttgttaga      60
cactggggtg agagttttat atgcattgtc tgnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      180
nnnnnnnnnn nnaacctcag aggccaagct cttaggcact gtgatatact actggctttg      240
ctcagtaa at ggacctt      257

```

```

<210> 26
<211> 221
<212> DNA
<213> Homo sapien

```

```

<400> 26
ctcgagaccc cacccttcc tggattcatc agtgggctcg gaagagcgtg ggaaaggcgc      60
taccttgggg ccacaccacc tgagtcagct ggggctactc ccagctctcc gggttgggaa      120
actgggtgct ctggcaatgg cctgctgagt atttaacccc aggggcagca gattccttgt      180
gggtgttttt ctacaaatta aacaggaagg ttttttgag g      221

```

```

<210> 27
<211> 347
<212> DNA
<213> Homo sapien

```

```

<400> 27
tgcttgctg gctctggctg gggttcgta gggctggggg tcttgaaggg ccctgtctaa      60
gaagggagta ggaatccagt tatatgagtt cacgctcatc aggaacctgg catatttgat      120
tgagagatat gtccagtgat gccctgttgg aagctgctca tgaacagggc ttggtccttg      180
acacttggtg ggcaagtaat ttacagggga aatgacaatg ttaatcctgg cccctggggg      240
gctggcagtg tggtaagga gaccaaacac acacagggat gggaccaaac acaagctaag      300
gaagggcca ccccagccc tgatgtctgc tggaacaaag agaaatg                        347

```

```

<210> 28
<211> 338
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (258)..(258)
<223> n= a, c, g or t

```

```

<400> 28
tttttaaatt gtgaactata acacttagga tattgcatgg atcatcaaaa aagataaatc      60
atctctttta aattctgtgt tatttttaaaa aacaaataat agatacagat gtctgagtat      120
tttaagacat tttggggatt ctagtaatta ttagtgccat taaccacaaa gacaaaggaa      180
ggggtctgtc ctttttaaat acagtaatct cactgtagag ttcaagccat gagttcacia      240
gtatcttaat attgtacnaa aaccttttct ttttcattct agcctcttaa cccctaagca      300
aaacaaatga aaaaaatgta cttaaaaact taatgttt                                338

```

```

<210> 29
<211> 622
<212> DNA
<213> Homo sapien

```

```

<400> 29
gcctgaagct gctctctagg aaaatgtggc attctctgct tgggggaggg tgggggtgggg      60
gtaagagaga gggaagatgc cctcagctcc caccaaggag cataaataaa aagagaattg      120
accccccagc acccttcaat agcccaccag agttgccacc aaacagtgtg aaaacgtgtg      180
gttttgacta ttctgatgaa aataatggat gttctgtgga gatattgtaga gcacacacac      240
atatgatttc taaatcaaat tcagttgcaa ctgttcccat cagaaagacc catcaagccc      300
ataaaagaga tcccttcata caaagatctc ttgcatccc aatttccacc cattctacat      360
gcattttcaa acccatttcc tgatttcact gtcattagct agaaagcagg gggctattag      420

```

```

cctggattgt aaggcatcca tttctccttt ttttgtttca ttagccatgt aggaagatat      480
ttttctttta tggttgatgg catctgtttt taaaaatgga taaactcttc aaaacatagt      540
ttctgattct ggtagcact agatgagcag ctgtaaaata ataataatag tttgaggggt      600
tgagaagagc tttctttatt tt                                              622

```

```

<210> 30
<211> 518
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (260)..(260)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (262)..(262)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (304)..(304)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (310)..(310)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (333)..(333)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (337)..(337)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (343)..(343)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (354)..(354)

```

<223> n= a, c, g or t

<220>

<221> misc\_feature

<222> (371)..(371)

<223> n= a, c, g or t

<220>

<221> misc\_feature

<222> (376)..(376)

<223> n= a, c, g or t

<220>

<221> misc\_feature

<222> (380)..(380)

<223> n= a, c, g or t

<220>

<221> misc\_feature

<222> (470)..(470)

<223> n= a, c, g or t

<400> 30

cagatcccca aattcctctc caggatgggt gcacgtggcc cctcaggaac cggggaagtg 60

cacgtgtggg tggagaggtg tgaggaaaag agccagcttc cggacacggg tgcagggtct 120

ccagcagctg agtcccga gtgtcaagtt gccggagggt ctgtgcctga gcaagcagag 180

aaggaaactt aagcctctaa tgaaaaggcc tcctgttctc ttgcaggaga agccccaga 240

gggtaatggg gcagtggcn antggcctgt ggtgaccca aggaggggga ggggccaggg 300

ccanctgggn cctcagaata ttgttcctgt gtnttcttc gangcgggtc tggncctgct 360

ccgcagcctg ntgggntcan gactgaacag tctcctctca gcctcatggg cggttgtctc 420

tgggcacagg ctactcttaa cctcgctcc ttaacccac acagggcagn ctctgctgc 480

tacaaatatt tctggggaca cggctctaaa aatgaccc 518

<210> 31

<211> 556

<212> DNA

<213> Homo sapien

<400> 31

cagatcccca aattcctctc caggatgggt gcacgtggcc cctcaggaac cggggaagtg 60

cacgtgtggg tggagaggtg tgaggaaaag agccagcttc cggacacggg tgcagggtct 120

ccagcagctg agtcccga gtgtcaagtt gccggagggt tctgtgcctg agcaagcaga 180

```

gaaggaaact taagcctcta atgaaaaggc ctctgttct cttgcaggag aagccccag 240
agggtaatgg ggcagtggcc tagtggcctg tggtagcccc aaggaggggg aggggccagg 300
gccatctggg tcctcagaat attgttctctg tgtcttcttt cgacgcgggt ctggccctgc 360
tccgcagcct ggtgggctca ggactgaaca gtctcctctc agcctcatgg gcggttgtct 420
ctgggcacag gctactctta acctccctc cttaaccca cacagggcac gccctcctgc 480
tgctacaaat atttctgggg acacggctct aaaaatgacc ctgccttcca ttcactggac 540
agtgaacaca agaatg 556

```

```

<210> 32
<211> 330
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (151)..(176)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (247)..(273)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (311)..(311)
<223> n= a, c, g or t

```

```

<400> 32
tctgtgcttt gtgtaacttt ttgctaaatt cctgtctttg tcttcttgga acagtcttct 60
acttgttaca ggatcttctt atcttttgga ttttatatta gttttaatat aaaattaata 120
tagttttata ttatatagcc cactgacatg nnnnnnnnnn nnnnnnnnnn nnnnnntgac 180
ttggccagag ccttcagttt cttatctctg gtaagaggta atgtgtctct ccctagggca 240
aggctgnnnn nnnnnnnnnn nnnnnnnnnn nnngatgtgt gagagaagca gggagagtaa 300
gaatcaagac naaactgcag tcttttatac 330

```

```

<210> 33
<211> 431
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

```

<222> (420)..(420)  
 <223> n= a, c, g or t

<400> 33  
 aagacagcta agtaagtggg gtaggaaga aagactggac aagggtttga tggactggct 60  
 atgaaagatg aggaagagag aagtcccagt tgggtaagag gaagttttta aggaccacca 120  
 agaaaatggg gacactctta ttagataacc tagaaattag acaaggatga gatgttatct 180  
 ggatattcaa atgaaaatac cctctattca gctatagtcg ggctactggg gttttaaggg 240  
 agaatttcag atttgtggaa ctgagagagt cctttgcatt tcaaagaagt gataattgag 300  
 aagctgtgtg acaactaagg ttgtactaga agaagcttag acgtgagagc aggaagaatt 360  
 catggacagt gctaagttag gacatatatg ttacacagat gacaccagtc tggatgttgn 420  
 agcccagaca c 431

<210> 34  
 <211> 275  
 <212> DNA  
 <213> Homo sapien

<400> 34  
 atttgattaa ttttgctttt gtagtttgtc ataaaaccac agtcactgtt tcattacaat 60  
 taaagataat tgggtacgct actcctgagg gaaaccagca ttcaaaatgc atcccccca 120  
 tagtttttat tatttgtgag agaatgtctc attaataatt tcagagcatt ttggatttca 180  
 aaatatttgc cttagacctt cttgcctcct cttctcttgt agagccatat gggtcctttg 240  
 tactcagaaa attgaaaatg agccagggtg cagtg 275

<210> 35  
 <211> 497  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (486)..(486)  
 <223> n= a, c, g or t

<400> 35  
 agtgatttca ttatctccaa tgtgtatggc ttgatagaaa tagattccat tatgtagcac 60  
 cttaaatcca gataaaacat aaggaatttc tattccatgt ttgtatgac aatgttaata 120  
 atctaagaaa atctaaaaag aagctacttc ctctattaca gtatgaaata aatatgctga 180  
 atgatttgtt ttgggggggtg gaatggaaag gtataagact gaggaggggtg cctgtgggaa 240

cagtgatagg	aatcctttct	taagggttgg	gttttacata	cgctctttaa	aatagatgat	300
atcattaata	aattatctgt	gggcatcatg	aaaaagtgt	ataacgtaca	actttatgag	360
cttgacagtt	ggtgaaaact	tttctgttta	aaatcttatt	tggccctccc	caaaagaaat	420
ggttatttat	gagtattagg	atagttccag	cagtaatgcc	tcaaaagaac	caggagggtat	480
agtgtngtct	aaaatgt					497

<210> 36  
 <211> 1796  
 <212> DNA  
 <213> Homo sapien

<400> 36						
tgcatctagt	ccaccacctg	tttttgtaaa	gttatcagaa	cacagtcattg	ccatttcatt	60
tacaaattgt	gtatggcttc	tttccttgca	acagcagagt	tgagtgttgc	aacagaaacc	120
tatggcctgc	agagttttaa	atatctaccc	tttggccttt	tataaaaaaa	gtttactgat	180
tcctgggtgag	tatattaaaa	agttaggaaa	acctaaatct	tccagagtgg	agaattagaa	240
agtaagacgt	gttgtatata	agacagacag	tttgtgtgtg	cgtttatatta	taaatatatt	300
attctgaaat	aatgttgtcg	acatatgttg	caggtcttaa	aaattgggtca	atatatagtg	360
ttaatcaaaa	aatggcaaat	tgtaaaatgt	agacagaatg	tgatttgtga	ttttgtgcat	420
acaccaacag	aaaaggggtg	taggaaacct	gtggaccaac	atactaagtg	tggctctttt	480
gatgggtgga	tcatggattt	ttaaaaatct	tcttgggttt	ctgtagattc	tgactttcct	540
gtaatgagta	tgaataagta	tgtatttctt	gagaaatgtg	aaaataactt	tatcttccca	600
gatttctcat	aattgaaaat	gttggaataa	atggctcctg	gacagatctt	tccattgaga	660
agggcggaag	ggaaaccttg	gggattcagc	tgggtttctg	ttgcatttct	ggtaacacac	720
agttgtgaaa	agccagtgtt	ggccattccc	caggacagtc	tggggtagag	gaggtcagga	780
tttaactact	tgaggggtccg	gggaacagat	gtggccacag	tccttcctga	ctcactgttt	840
tccttccac	agtccccgtc	ttctcttcac	tgatgcacat	agatgcctga	ccagaggaga	900
gatttagttt	tcgtccaagg	attatctgtt	atgttgcagt	tctgaaattc	ccataacgtt	960
taggctagaa	cacaagtgat	ttcattatct	ccaatgtgta	tggcttgata	gaaatagatt	1020
ccattatgta	gcaccttaaa	tccagataaa	acataaggaa	tttctattcc	atgtttgtat	1080
gatcaatggt	aataatctaa	gaaaatctaa	aaagaagcta	cttcctctat	tacagtatga	1140
aataaatatg	ctgaatgatt	tgttttgggg	gggtggaatg	aaaggtataa	gactgaggag	1200
gggtgcctgtg	ggaacagtga	taggaatcct	ttcttaaggg	ttgggtttta	catacgtctt	1260

```

ttaaataaga tgatatcatt aataaattat ctgtgggcat catgaaaaaa gtgtataacg 1320
tacaacttta tgagcttgac agttgggtgaa aacttttctg tttaaaattt tatttgggccc 1380
tccccaaaag aaatgtttat ttatgagtat taggatatgtt ccagcagtaa tgcctcaaaa 1440
gaaccaggag gtatagtgtt gtctaaaatg tggactcagg agccagactg cctggctgtg 1500
caactagcct tgtcacttcc tagatatgtg gcaagttaat taacttctca gtgttcttat 1560
ctgtagaatg gggataatcc taatatacat ctcagggtta tattacaaat ttaaaaagtt 1620
aattttgtaa aggacttaga atgatatctg gcaaataaaa gtgttcataa aagtaaacc 1680
tataaaagtg tttactcatt aaatacaata atctgaaacc attagtaatt taaacatttg 1740
tggctgactt ggtaatat  atgaaaataa atactgtatt tataatcttt gacctt 1796

```

```

<210> 37
<211> 83
<212> DNA
<213> Homo sapien

```

```

<400> 37
gttgggatct gaaagaggaa tctgtggata ctgaggaaaag gtagccagaa aggttcaaag 60
taacgccaaag aaaaaatggg gtc 83

```

```

<210> 38
<211> 773
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (295)..(592)
<223> n= a, c, g or t

```

```

<400> 38
ggacaacaac caagggattt ggccaagaa gaagaaatat aggcaagagg aaaaaaaaaa 60
aaaagagaga gagttataga atagagtaac agatttggaa atgcatcaat agttgaaacc 120
tggagagcag ataaaattac ccaagtagag aatgtagagt aaaaagaaag gaaaggatatg 180
gacagaaccc tgacaaaaca ccaggattac agttgggatc tgaaagagga atctgtggat 240
actgaggaaa ggtagccaga aaggttcaaa gtaacgccaa gaaaaaatgg tgtcnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540

```



```

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntgggtgtca 600
taaaaccaag gagccacata aagttttaag aaggaaaaaa tgtccaacca tgtcatatgc 660
ttccaaaagg ttaaataaga tcagaagtgg aaattattat ttgaacttaa caacatagaa 720
tccttaagga cagttgtgga atttcactgg aatgcgagtg acaattgaca ttt 773

```

```

<210> 39
<211> 326
<212> DNA
<213> Homo sapien

```

```

<400> 39
gaagtgaatt tacagaatct gagcatggat tagttgtata acaggggtgg tgggtcttga 60
gggcaggtag caaagcaaag aacgacttga aggtttgaaa ttgaaattct gaatggacct 120
ggatagcatt taatgtgata ggagaaacta tgaatgaaat atgaatatct ttgttctaca 180
gggagttgag tgggggggat gaagatagtt aattttgaat atcataaacc tgaagcactt 240
cttaattatt cagaaaaatg tgcaataaat gcttaattga ttttgtatth aaatgagtta 300
aaggggacagt ggataaacia acctca 326

```

```

<210> 40
<211> 393
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (227)..(227)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (240)..(240)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (244)..(244)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (272)..(272)
<223> n= a, c, g or t

```

```

<220>

```

<221> misc\_feature  
 <222> (317)..(317)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (330)..(330)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (377)..(377)  
 <223> n= a, c, g or t

<400> 40  
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 ttacaagaag gaaacagaag tctaggggaag taggtaatta acattaccca caatccgtgg 120  
 gcaggaccgg gatttgaatt ggcaatgtgg ctccagtgcc tgggtgctcc acattgggag 180  
 atgggtcccat caggaggtcg tctcttgaca tctccaacaa gccatcnctt tgccatgttn 240  
 ctancattcc aggtagcctg agtgccccca antgaccaag gaaaagctta cccttagagg 300  
 gtctttactc ccaatgnccc ccaccttctn atcctctact ttttgttgtt taaaattcag 360  
 ctgacctgtt agttgcnact ggggaagggtc tga 393

<210> 41  
 <211> 477  
 <212> DNA  
 <213> Homo sapien

<400> 41  
 cactagctca tgtagtcctc cccacaacca ggtgagacag gtgctattgt tatccacact 60  
 ttacaagaag gaaacagaag tctaggggaag taggtaatta acattaccca caatccgtgg 120  
 gcaggaccgg gatttgaatt ggcaatgtgg ctccagtgcc tgggtgctcc acattgggag 180  
 atgggtcccat caggaggtcg tctcttgaca tctccaacaa gccatccctt tgccatgtta 240  
 ctaccattcc aggtagcctg agtgccccca agtgaccaag gaaaagctta cccttagagg 300  
 gtctttactc ccaatgcccc ccaccttccc atcctctacc tttttgttgt ttaaaattca 360  
 gctgacctgt tagttgccac ctgggaagggt ctgaccactt cattctttat gcctctcata 420  
 cctcagagag ctgccagggc atctctaata cttcatattt ctcaaacagt agttctc 477

<210> 42  
 <211> 515  
 <212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (326)..(386)

<223> n= a, c, g or t

<400> 42

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aattcctggt tttcttaata ttatgcataa cacgggtatth ttttaattgca tattgtcatt    180
atagaaacag ctgttaattg cttaacattt attttggagc tggacatctt aaatattcat      240
ttcttagttc aaataatttc caactgattc atatagggtc tatattatct ataaataatg      300
ctaattctca tcgccagcaa atttannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnn nnnnnnnnnn nnnnnnaata gccagtagcc ttgtaagtag tctagatctt      420
aatgagaaca tctctgtata ttttaccact aagtatgaat tggctagtgg ttgtgcttta      480
ttctactttt aactgagtg ttttaaaaca aatca                                     515

```

<210> 43

<211> 530

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (326)..(386)

<223> n= a, c, g or t

<400> 43

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aattcatctc ttagctatag ttagtctttc actcaggagc cctttaattc aagttgtctt      60
tttaattatt cagtaaattc ttatagtctt tttcatattc gtcttgcattg tttctcattg    120
aattcctggt tttcttaata ttatgcataa cacgggtatth ttttaattgca tattgtcatt    180
atagaaacag ctgttaattg cttaacattt attttggagc tggacatctt aaatattcat      240
ttcttagttc aaataatttc caactgattc atatagggtc tatattatct ataaataatg      300
ctaattctca tcgccagcaa atttannnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
nnnnnnnnnn nnnnnnnnnn nnnnnnaata gccagtagcc ttgtttgtgt ctgatcttaa      420
tgagaacatc tctgtttatt ttaccactaa gtatgaattg gctagtgggt gtgctttatt      480
ctacttttac actgagtggt tttaaaacaa atcacttgag ctgctccaaa                    530

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<210> 44  
 <211> 446  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (425)..(425)  
 <223> n= a, c, g or t

<400> 44  
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 cagtgttgta agccaagagt gagcaaagag gtgggagaat cagaggtttg aggaagccag 120  
 ctcaagaaga aagtgtgtag cagagctgat gagatgaaag tggcatgctt gctgggcagt 180  
 gtttagagcc catctgagaa tagttataat aaatacatgg tgaaattgat ctgccctgtt 240  
 gtagcacttt ctcaataaaa ctgagcagct catgccctat ctcaagagcaa gaggagagtt 300  
 agattcattg agttggattt ttgccagatg agtgtgataa aaagattgcc cagagtttag 360  
 agttctgaaa aaagtgttat ggagtgggtg acatgagtct aaagtttgaa aaggatggga 420  
 atgangaaaa gaaactagct gataga 446

<210> 45  
 <211> 906  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (707)..(812)  
 <223>

<220>  
 <221> misc\_feature  
 <222> (707)..(812)  
 <223> n= a, c, g or t

<400> 45  
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 gtcctcacag ttcattcagta ggattccaga caggcatcag gctcagggaac agcgcagaga 180  
 cagctgcctt ctctcttttc ccggaggcac ctgagacctg agcgcaccga gggggccggt 240  
 gcatgggctg ctcccagtga gcgtgaagtt caccgccaga agtacaccg ccaccagctg 300  
 cagcagcaca ggttcgtcca gcgcaccacg agaggctggg gctctctggg agtggaggag 360

caggtgggga tgagcctgga cttgcacgca gagctctggg ctccattaag ccccgcccc 420  
 gtcctagctg tgctgtctgg gcacgccagt tctccctgag ctgctctcct cctggcagaa 480  
 ggggggtcat aacagcacca acatgcggga ttgcggtgag gtctaaacag tcaggcacag 540  
 gaagctgcac agagaagatg catgggcaac agcgcccatg gagaatccat gcagccccct 600  
 aagaggggca gagagcctcc aagcaaaagt cattctatct caacactcac tcccctgaag 660  
 actattcggt cttgggaaat aggataccca atattgaatg tttgtgnnnn nnnnnnnnnn 720  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntaccacc acaggattac aaggagaaaa 840  
 agaggaaagg gatctccccg cctctctctt ttctcccct ctcccaacca gggcagaaga 900  
 agaaaa 906

<210> 46  
 <211> 289  
 <212> DNA  
 <213> Homo sapien

<400> 46  
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 ttaggctacc tggactgagc aatataaggc atgggagagg tggtttatct gtttaagggtg 120  
 ccatgtcttg tttataactca ctgatgagaa gaaaaaaact taaatgaaga cttcagactg 180  
 aatttttttt ccttgtatta aaaacttaga gtgagagtta agcttagatt tagtttttct 240  
 aaaaccttaa aaactagaaa ccatttatta aagctagatt ttttttttc 289

<210> 47  
 <211> 299  
 <212> DNA  
 <213> Homo sapien

<400> 47  
 gggctgagct aaacacagtc cttccatgag ttctgcaaac cttgggttgg aaaagaggct 60  
 ctagtttgcc ttaggctacc tggactgagc aatataaggc atgggagagg tggtttatct 120  
 gtttaagggtg ccatgtcttg tttataactca ctgatgagaa gaaaaaaact taaatgaaga 180  
 cttcagactg aatttttttt ccttgtatta aaaacttaga gtgagagtta agcttagatt 240  
 tagtttttct aaaaccttaa aaactagaaa ccatttatta aagctagatt ttttttttc 299

<210> 48  
 <211> 197  
 <212> DNA  
 <213> Homo sapien

<400> 48  
acaggcgtga gcaccatgcc tggccccaat gggatttggt atggaacttc ataaatgtat 60  
tgtaaaatcg tcatagggag aaacaaagaa ccaagaagag ccaaaatact cttgaaaaag 120  
aggacaaggt gagggagttg ccctaatttg gaagctatta agatttatta taaagctata 180  
ataattagac atgatac 197

<210> 49  
<211> 453  
<212> DNA  
<213> Homo sapien

<400> 49  
ttacaggcgt gagcacogtg ccagcctca agtatactct tacaacacaa ttaaattcaa 60  
tcttcagtaa tcccaaaatt tcattacccc tgtgaaaatg tcctggatta gcagtctcct 120  
actttaagtg ttttatgaaa gaatacagtt tatttttagta taaataatat agccagactc 180  
tatgaaacaa aaggttgaat aatatttacc tatagctccc atttagaagt accaaagtta 240  
tgaagcacat tcattggcta ctgtcatatt tattaggatt tatgttttat cagattataa 300  
gcactcttta gtgaaaaatg tttttttcct ctttgctcag aaaattgtcc aacactcctg 360  
gtccagtcaa gagtgaagca aaaaactcct caatttgaat ggctttcatt tgggtccatt 420  
tatttggtta cagagaagtt ttgataaaat acc 453

<210> 50  
<211> 1012  
<212> DNA  
<213> Homo sapien

<400> 50  
gtaacattct atttataatt atgtccttgt tttattaatt ctccatgga tggatattta 60  
ggttatatcc atttttttgc tagtctttgt atgtccctt gaattttatt gtacatatat 120  
tcttggttat ttgagagatt ttctggggta tacatatcta agatctgatg gatgctggga 180  
tatgtgcttt gtcaactgag gttctcactc ccctggaagt gtgtgagatc agaatgcccc 240  
tgccctagcc ctacttata ttatgtatca gcatgattga tttgtaatag actaataagg 300  
gtaaatagct gagtgtatgc cttctatact gtaattttac tttgttgttc gtctgtttgt 360  
ttaattgggg acccatcttt tttcagattg ttaattttgc taaagatctt ctttgttctc 420  
agagttaatt atcccttaag gaattccatg tgtttatatt tctctgttcc aaagttacga 480  
ttctgtgcta aagtcataat tatgaaatca tcagtttggt catactttaa atctatgctt 540  
ctcccttggt gttgacagtc cccaaggcag gcatccatga agtcaaaagg actgaccaa 600

gtgtaatctg cccttttttac tgggttggca tttgtgctaa tacactgcaa aagcagtggg 660  
ggataaactg acagcacctt gcaaagcagc aagggtgggtg caccaatttg tcattattta 720  
tgttaaaatt aatgggttca tttgtatttt taaatgaata aacattttaa caatttctta 780  
gttttgattt ctaatagagt aactatagat cagtagatgc caactatagt gtcttccttt 840  
aagagcgtga aggggcctga gactggaaag ctggagaagc accgctttta agcacatggg 900  
agacgtatga atagacaaat actttattct tgttgaacat ggtcattggg aaggaaaact 960  
gaggtatgtc attctattac aagatgaatc aggtgatct gcaagttgta ta 1012

<210> 51  
<211> 268  
<212> DNA  
<213> Homo sapien

<400> 51  
gtggaaatta atgttagaat ttgtattatt tagatgaagg gaatgtagcg atgagttttg 60  
taaaggaact ggtcatcgaa aggaagggga aaagatgaaa ataaaacaaa ataagaatat 120  
aaaatagcca gagagattat acgatcatgt attaactcct cctgagaata aaatattata 180  
ttgttatgtt tgaggctcat tttgactcag ttcctagtta agagttggct aacaaaaagt 240  
atatcattgt aatgaatgct ttcactgt 268

<210> 52  
<211> 581  
<212> DNA  
<213> Homo sapien

<400> 52  
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aaaatagcca gagagattat acgatcatgt attaactcct cctgagaata aaatattata 180  
ttgttatgtt tgaggctcat tttgactcag ttcctagtta agagttggct aacaaaaagt 240  
atatcattgt aatgaatgct ttcactgttc ttgttcttgt tgttaaacct atattctccc 300  
caggctgtgt aatccacttt tgttactctt tgctggagtc actagatgat acacaaagga 360  
aattttgtgg cactaactca gtttcgcaca tttttggcta tgaaatgtgg acagaaatta 420  
ttgaaactaa tatctaaatg tagctattct ataacttcta tctagccatg ttaattttgt 480  
tctctattaa gacggacaat caaagaggaa ataaacagaa catatttctc ctaatgaatt 540  
caggctgggg ctaaaagttc aatatttata gatttcttct t 581

<210> 53  
 <211> 597  
 <212> DNA  
 <213> Homo sapien

<400> 53  
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 ggggtgtgcac acccataaat ctccctgtggc tgggttaagg gaacatacaa gcagctcttc 120  
 agcattaaga atgtgatggg agagattcag gtagatttga actgccatca tcaatcaaga 180  
 ccaaggagaa ggctgctttc caggatgtac acatggcctc tgtttgctgt tgctgttttg 240  
 cttcttttaa gaggtgaacc aatatatgta tgtctgtttc tactgtcact tgcagctcaa 300  
 cagaaccctg taatatacat gaacaagttt ctggaagtta agagagatga gaagttcacc 360  
 aagtcaccaa cctgactgtt accatgagga attcctttac cggagaacat gctgtcacaa 420  
 taggttaaat atatgttata cagggtccaaa gaatattcat gttcaatctt agttaaaaat 480  
 aaatatttat agttagttaa attaggtata gcttttattt cccacattat aattacctgt 540  
 attttttata cttcatgtaa catcaccaaa aatttttagta ttagataaat caaaaaa 597

<210> 54  
 <211> 304  
 <212> DNA  
 <213> Homo sapien

<400> 54  
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 ataggacaaa aagtccttgc cagactgtgg agtctctcca cctggagaaa gcattcaatc 120  
 tctgttatgt tcatgccttt cagtaccatt cctttcgtat tttttcagtt gacatgacct 180  
 ttaaggttcc tccaaactaa gggttctaatt ttttttttta acttgagtc ttactcccaa 240  
 caagaaatth gatataattag agctaacagt tctaagaagt ttaagaaat agtatgcaat 300  
 ccca 304

<210> 55  
 <211> 2631  
 <212> DNA  
 <213> Homo sapien

<400> 55  
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 gagaagaggc tagtaagtca ggtatcttaa ataatggatt cgttgaaact ggctcttcag 120  
 aagaggatg tgcagaagtg caaagctggc tctgagggtta aatctttatg agaaaggaat 180



acctttactt	tgaggtatta	aatggctcag	ctctgggata	tgaaactttt	taagtatctt	240
taagcaatca	gtgttcaa	caaagagtga	gatgcgta	ctgacctgtt	aaaatcacaa	300
aatcaggctg	ggcattagat	aatgcctttc	agtttaata	ctcgctgcct	ggattctgga	360
aaatgttgct	atataaaaca	cataatgtat	gaatagaagt	atatggtaac	tgacagactt	420
ttgttataca	gtgtgataaa	gtgaatagaa	cattagaata	ctaaccgcat	gattttgact	480
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aagttttattc	tttcaaaaga	ccctttacta	ggtgtccttg	tctacatttc	caaaatattg	600
gacttgtcca	tgaccaaaca	ggtgggaatg	aaggccatta	ttttgattat	ttttctcttt	660
taagaatttc	cagaaatatg	ttctttgtag	ataaagaatt	acatatttgt	agagttctaa	720
gcgtttcttaa	aattcatttt	gcccactcc	ttcttttct	aaaggagaca	acagaagctg	780
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gcatactatt	tcttaaaaact	tcttagaact	gtagctcta	atatatcaaa	tttcttggtg	960
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aaaatatagc	taacaccagt	ttggtgttct	ctttggatga	caagagggat	ctgtcgtttt	1200
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caggggagtt	gtgcgcggtg	gctacagcct	gtagatccca	tttctctctg	ctctagtcog	1380
ggctagggag	tggctctgcc	aggacttcca	aggctttttg	tctcgggtac	tgggtgtcgc	1440
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caagtgtctc	tggagagatt	cgggggttcag	gaggtggcgg	gtgcacccaa	gggtgctggg	1920
aggaagctcc	aggttcccat	tcttccccag	ggatcggcgt	tgccccctgct	cgcgggggta	1980

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gtctagggca acggaagatg gcgggcgccg cggggcacgg ggttcggggc tccgctcggg 2040
cagagcccac ccgctgacca actccgccgc ccccgccggg cgggtgctgtg tccccgcagg 2100
agtcgggagag gatggcaggg gccggaggcc agcaccaccc tccgggcgcc gctggaggag 2160
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cctcggggga gatccggacc aagggtttca tcatgttggc caggctggtc acttctgagc 2340
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gcccgccga aaacaatata attgtgaagc agttctacac catgttcgta gcagcgttat 2460
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aaatgtggca cacacatata ataatgggac attattcagc cttgaactgg agggaaattc 2580
tgacaggtca ctgtgaggtg aaaggctcga ttttcagggtg tcagggaatc t 2631

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<210> 56
<211> 401
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (279)..(279)
<223> n= a, c, g or t

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<400> 56
ccttaaaaaa atttacagaa cacaaaggaa aacataaaca caaagacatg gaaaattttg 60
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aaattttaat cacaatcaga agtacttgta acatttcagt tgtcctaact ccaatgagat 180
aacaaagcct ccaaggctac agctgaaact ctgaaaggcc ctgtgctttc tactttacat 240
ttagcgtcta atatttccta ggacagtagt tcccaaagna ggctgtacat agaatctcct 300
ggagagcttt ttaaatgcta atgccaataa ccatatctcc ataaaattta ccctagaatt 360
tccctgggat ggggtgcctg gccatccagt attttttaat g 401

```

```

<210> 57
<211> 859
<212> DNA
<213> Homo sapien

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<400> 57
gcacgagtta gctttgcatt atctaacca tttattttta atctgccagg aaatcctcta 60

```

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actttccttc ctttttgttt cagtaagtat caggcagctt caccatacct gagtcctttt 120
gtcttgaagc tgccacagaa aaatcttaca gcaatcattg ctgattagaa actgtttcag 180
acaatcagca tgggtgttat ttaccaaatt cccccagag tcctaggcct cttctccaga 240
aatatctgat gatgaagtga ggggagggca acggtgctac aaaacacgga acagaggtaa 300
agagaaggca ctactttctt gccatacttg taaatgattg ctttgttcaa acataaataa 360
tcttaagtcc aacaccaaatt acctgttact cctacatcaa tctcattagt ggtttaagac 420
acagtactag aatttttcatt ttttaaaatc ccttggccct taaaaaaatt tacagaacac 480
aaaggaaaac ataaacacaa agacatggaa aattttgtca actccttaat ggaattctgt 540
gatcaaaaag caggccagat tctaatacaa atcaggtaaa ttttaatcac aatcagaagt 600
acttgtaaca tttcagttgt cctaactcca atgagataac aaagcctcca aggctacagc 660
tgaaactctg aaaggccctg tgctttctac tttacattta gcgtctaata tttcctagga 720
cagtagttcc caaagtaggc tgtacattag aatctcctgg agagcttttt aaatgctaata 780
gccataaacc atatctccat aaaatttacc ctagaatttc cctgggatgg ggtgcctggc 840
catccagtat tttttaatg 859

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<210> 58
<211> 343
<212> DNA
<213> Homo sapien

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<400> 58
gctcgagtgt aaacattcac tgatcttttt tcctttattg aagccacaat ttaaaaaaaa 60
aaaatactat aaatttcagt ttaaattgag aagccagata tctttcaaaa tgtatccttt 120
atgtggtaaa atagagaata acattgtttt tagttaagta aaactaaagt actgtttcta 180
actaggtaat ctggccttcc aaacacagga gtttgaacag agagttctaa aaattagagt 240
gtctgttctc tgtcagaacc ttctgggaag agtgtgtcaa atgagcacta ctcaggagaa 300
atctctaagg ttttaactta gtttatactt taaactgaga ttt 343

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<210> 59
<211> 635
<212> DNA
<213> Homo sapien

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<220>
<221> misc_feature
<222> (33)..(33)
<223> n= a, c, g or t

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<220>  
 <221> misc\_feature  
 <222> (111)..(111)  
 <223> n= a, c, g or t

<400> 59  
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 gtccaatgcg acatcccctc tctatagaga tgtattctag caaaagactt nttcatccac 120  
 catctggccc cagactaaga acacatctca ctgaatgaca cataaccag tgggatgcac 180  
 caaatttgct taaccatgag cacatcatct tctcataaca aaagctgaat atgaccctaa 240  
 ttttatattc tgtaaactct gttgtggaaa ttattaaaac aactgtcttc tgggtagtct 300  
 gtaaacattc actgatcttt tttcctttat tgaagccaca atttaaaaaa aaaaaatact 360  
 ataaatttca gtttaaattg agaagccaga tatctttcaa aatgtatcct ttatgtggta 420  
 aaatagagaa taacattggt tttagttaag taaaactaaa gtactgtttc taactaggta 480  
 atctggcctt ccaaacacag gagtttgaac agagagttct aaaaattaga gtgtctgttc 540  
 tctgtcagaa ccttctggga agagtgtgtc aaatgagcac tactcaggag aaatttctaa 600  
 gggtttaact tagtttatac tttaaactga gattt 635

<210> 60  
 <211> 474  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (335)..(335)  
 <223> n= a, c, g or t

<400> 60  
 gggaggcaag aactattttc attttatgtc ttatgaaact acagtgcata gtgacgaagt 60  
 gatttgccta aagtcacaaa gcaaaaacta ctggaaccat gtccaagct aaagacttct 120  
 cccaattata gcgttttttc ctcccatagc ctgttttcat taccttcctg tttatccatt 180  
 ggctttcatg agacatgttt gctgccagtt gtgaataggt tagttcccca gaggacccat 240  
 gagtaccaca caaactgcta gctgaatctt gtgagaattc taggaggtag ggctataccg 300  
 gccctgaaga aatttcttga tgactgctca gtggntttat ggaatgtagc agagtattct 360  
 ctggatactt tagagttact cccttttaag agcatgatat tgacaattct ttttactagt 420  
 ggaacagtga catctgaaca gcgtgcctga cctttgcaag gttaagcaga atgc 474

<210> 61  
 <211> 526  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (415)..(415)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (417)..(417)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (475)..(475)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (482)..(482)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (521)..(521)  
 <223> n= a, c, g or t

<400> 61  
 attttaaaaat ataattaaat attttattcc tttattatag gaagagcttt tacgagttct 60  
 actgaacaac aacaaaaaat ccagtagaaa tgttggacaa aagatgtgat tatacaaaac 120  
 tagaaatgca agtaaacata aaaagctcaa acttacttaa aaacttaaaa tgaaatatct 180  
 gtaaataaaa ctattactga gggcctataa aattttgggt taaaatgaaa tggtaatact 240  
 taataaatgt tagggcaciaa tgatgctatc tttcttacct ctttcttttt agaagtaact 300  
 tattttcaatg tttctggaaa gcaatttgat aatttttata ttactacaaa aatatggtag 360  
 ctaccctttg gctcaacaat ttttttagga accacaaaaa tgcagtcaaa gatgnanata 420  
 aaagactgaa agcaattctt catagccttg tttatatgaa gggaaactga aaacngccta 480  
 antatttaac aataggtgaa atgattagaa atgtggtata ntcaga 526

<210> 62  
 <211> 164  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (143)..(143)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (148)..(148)  
 <223> n= a, c, g or t

<400> 62  
 gacatcctat acaaaaaaaaa atcgatttgt gctttattta cataaaaaata aaactatact 60  
 tttgataacg tcctgggcac ttccctctgc ttactcccc tcaattaaaa aatgcctaata 120  
 ttaaattaaa agaaccggc cantgcantg ttcatgccta taat 164

<210> 63  
 <211> 257  
 <212> DNA  
 <213> Homo sapien

<400> 63  
 agcatgggtg aagctaaggt gaccttgatc aagttgccaa aacctgtttc aggtttgctt 60  
 aagtcaccag aacgctttga ttgagacatc ctatacaaaa aaaaaatcga tttgtgcttt 120  
 atttacataa aaataaaact atacttttga taacgtcctg ggcaacttccc tctgcttact 180  
 cccctcaat taaaaaatgc ctaatttaaa ttaaaagaac ccggccaggt gcagtgtttc 240  
 atgcctataa tcccagc 257

<210> 64  
 <211> 572  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (179)..(265)  
 <223> n= a, c, g or t

<400> 64  
 cacactttct cagctgctct tggttttgca aaggaagata ctgacatggt cagattaaga 60  
 aatcgtaaag cttctgaact actaaggaag ggaaaagagg ggcccagggc ccacatgtgt 120  
 gccaggtgct gatctgaggg ttttttgtga ctcatctcat ttaatgggtca cactgttcnn 180  
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
 nnnnnnnnnn nnnnnnnnnn nnnntcctg gtgttcaggc ctcatgcctt ctgttcttaa 300

```

ctccatatcc tgtgtccctg ggaaaggaag gggccatagt ctggagtggg ttccaggaga 360
aaagagccag agtaatctct gctcttcatt tcttaacaag aatagaagac agaataaagg 420
gcacagggat aaaggattgt taaccagact ggcaaatcag tagactaatt aaaaatcaaa 480
caccttaaaa cactgtcgct ggggttaattg taaaccaaca atgaaacggt aaatttgccc 540
agccatgagt ttgaatgatt aactgagtga gt 572

```

```

<210> 65
<211> 277
<212> DNA
<213> Homo sapien

```

```

<400> 65
gctggctttc ggtatttatc agtgcctggg aatgttctag gctctgggtc aagcctgtag 60
ggaaaaacct gcagctggct gagccacaga ggtcagggca gtctgtgatt ttcagtcagg 120
acacagaaag caagcaggag gaactggagg accctgcggc tgcctgtaac aagaaataaa 180
aatggcacag atattactaa ttaagcacta atccagagg cggcgagctt gtggccttcc 240
tggtctcctc ttaaaagcaa gcaagggccg ggtgtgg 277

```

```

<210> 66
<211> 452
<212> DNA
<213> Homo sapien

```

```

<400> 66
cccaggggat gatcccaaag cattttccca ggggtccttc gttgcagggg gggcttcagt 60
gtccttgcaa tgggcatcag agaaaaggcg tgttctacag ccagggtgtgt cctcggaag 120
ggggtcaggg tatggagttt atgtgagggg ttaaggattt tggctcaggg cctgggctgg 180
ctttcggtat ttatcagtgc ctgggaatgt tctaggctct ggttcaagcc ttaggggaaa 240
aacctgcagc tggctgagcc acagaggtca gggcagctct tgattttcag tcaggacaca 300
gaaagcaagc aggaggaact ggaggaccct gcggtgcct gtaacaagaa ataaaaatgg 360
cacagatatt actaattaag cactaatccc agaggcgggc agcttgtggc cttcctgttc 420
tcctcttaaa agcaagcaag ggccgggtgt gg 452

```

```

<210> 67
<211> 283
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature

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<222> (274)..(274)

<223> n= a, c, g or t

<400> 67

ggaataattc agcactttaa tgtggtattt aattctcaca gaagcccat tttacataaa 60

aatgaaattg aatggattat gagaatattg attattgatt ggtaagtagt aacattattt 120

tttcaagaac agcaacctaa aatactcata cagttagctc taacaatggt tacaagtctt 180

aaaactattc ctgcaaattg ttgtattaca taaatgttat tgactcctca accatgggtt 240

tttaaagtaa tatttggttaa ttataaagta aganaataca agc 283

<210> 68

<211> 432

<212> DNA

<213> Homo sapien

<400> 68

ggaataattc agcactttaa tgtggtattt aattctcaca gaagcccat tttacataaa 60

aatgaaattg aatggattat gagaatattg attattgatt ggtaagtagt aacattattt 120

tttcaagaac agcaacctaa aatactcata cagttagctc taacaatggt tacaagtctt 180

aaaactattc ctgcaaattg ttgtattaca taaatgttat tgactcctca accatgggtt 240

tttaaagtaa tatttggttaa ttataaagta agaaaataca agccgggcat gatggcacat 300

gcctgtagtc ccatctactg gggaggctga gtcaggagga ttgtttgagc ctggagtttg 360

aggctacagt gagctatgat cacattattg cacgttagcc tgggtaacac aatgagaccc 420

tgtctcttta ac 432

<210> 69

<211> 516

<212> DNA

<213> Homo sapien

<220>

<221> misc\_feature

<222> (425)..(425)

<223> n= a, c, g or t

<220>

<221> misc\_feature

<222> (475)..(475)

<223> n= a, c, g or t

<400> 69

ctttttctta attaaaaatc ttaaagcctt ttcccttggc tgctcctctga agacagtgtg 60



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aatcttcttc aggcctgctt ttcttaattt tatacattat tgctctaact tatttttcta 120
cttattatatt tattttctat ttaataaaat acaaactaca ttgcttgaat tgtgttgtat 180
ctgcaaaaca atatggatac aaatacggat tttttagcta ttttcatttg ttcttttcta 240
cattatactt cttgaagctt ctgttttatt cagtttgtgt agaggtgaat gccctactga 300
agaatctggt tttcaaagat tatccaagaa aatatttttt gagagaattc tagtggattt 360
aattgatgaa gacatggtaa gagaaactgt tggaagatac ttgaaagaaa gtcattaagt 420
gaganaaaaa tggagaacta aaatgtggag actcacgaag agcagagtga gcttnaagaa 480
taaagactgg aaacctgtgt ccttaatgca ttact 516

```

```

<210> 70
<211> 52
<212> DNA
<213> Homo sapien

```

```

<400> 70
cattgggtta atatacctga gcacagttta tgaacctttg tcctcttcta tt 52

```

```

<210> 71
<211> 422
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (311)..(311)
<223> n= a, c, g or t

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```

<220>
<221> misc_feature
<222> (386)..(386)
<223> n= a, c, g or t

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<400> 71
ggggaagata cttgagcaca tttatagacc catgataagg agctataaaa ataatgaggt 60
taagatgctg acaactatatt atgcaaatac cagagaatag ttagctttga acagaagggc 120
acccatctct tctctaatat tggaaacagg tggaaaaacc acctgggctc tcagacagat 180
gtctttgttt ttaaatatatt cagaaaatga ggtagggagg gactgaccaa ggcagcgag 240
ttttatgaat gctgttctg gtctcagcag cgctttcctc ttcctcact gacaactgca 300
gggcccaagt ngggaggaag aacagtgtgt gcctgctggg ctcagcatct gctccagtga 360
gcaacacggg ggtgactggg ggtctnctga atgttaaata taaaggaagt tccttttccc 420
tc 422

```

<210> 72  
 <211> 521  
 <212> DNA  
 <213> Homo sapien

<400> 72  
 ggggaagata cttgagcaca tttatagacc catgataagg agctataaaa ataatgaggt 60  
 taagatgctg acaactatct atgcaaatac cagagaatag ttagctttga acagaagggc 120  
 acccatctct tctctaatat tggaaacagg tggaaaaacc acctgggctc tcagacagat 180  
 gtctttgttt ttaaataatct cagaaaatga ggtagggagg gactgaccaa gggcagcgag 240  
 ttttatgaat gctgttcctg gtctcagcag cgctttcctc ttccctcact gacaactgca 300  
 gggcccaagt ggggaggaag aacagtgtgt gcctgctggg ctgagcatct gctccagtga 360  
 gcaacacggg ggtgactggg ggtctgctga atgttaaata taaaggaagt tccttttccc 420  
 tcttagagaa gctcatagcc aaactgaaaa gcggaggaga gataaaatga ataacctgat 480  
 tggaagaact gtctgcaatg atccctcagt gcaaccccat g 521

<210> 73  
 <211> 140  
 <212> DNA  
 <213> Homo sapien

<400> 73  
 ggatatttgg ttactttgca gcctagaaat tatttcagag aatcctaatt gctgacattg 60  
 catatttgtt cagtttggag tctgggtgtt agattatcaa agaaaagtcc tgctgatatg 120  
 taagcatcaa atagaaactt 140

<210> 74  
 <211> 101  
 <212> DNA  
 <213> Homo sapien

<400> 74  
 aagctattaa aggctgtccg ttaaggatct ggcttcaaac tgcctttcca ccttcattct 60  
 actatttcct ctattaaaat atgctttgtg ttttaagcaa a 101

<210> 75  
 <211> 422  
 <212> DNA  
 <213> Homo sapien

<400> 75  
 aagctattaa aggctgtccg ttaaggatct ggcttcaaac tgcctttcca ccttcattct 60

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actatttcct ctattaaaat atgctttgtg ttttaagcaa attgttaatt tttttttttt 120
tttaagatgg agtctcgctc ttgttaccca agctggagtg cagtggcccg atctcagctc 180
actgcaacct ctgcctcctg ggttcaagca cttctcctgc ctcagcctcc cgagtagcta 240
ggactaagtc atgtgccact atgccagct aattttttaa atttttttgt agagatgggg 300
tctcactgtg ttaccaggc tggctctgca gtcttggcct gaagtgatcc tctcaccttg 360
gcccccaaaa gtgctggcat tataggcatg agccatgggt cctgtcccta ttcttaattg 420
ca 422

```

```

<210> 76
<211> 253
<212> DNA
<213> Homo sapien

```

```

<400> 76
cacacctcat ctccttgaca ggaagacatc ttttttcctg tggagcctgt ggaatttacc 60
actttctatt tctcttgggt gggaaaatct tctcggcatc tagctaggca tggacagata 120
ctgttgggtg atgatgccac tgaagagccg tccttagtgt cacgtgggtgc tggctctgagg 180
tcacgggtcca ttgggtgtcca ttggcttctc aaggccaata ccaggtcccg gggctaattt 240
ctactactga gag 253

```

```

<210> 77
<211> 493
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (199)..(199)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (202)..(202)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (208)..(208)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (211)..(211)
<223> n= a, c, g or t

```

```

<400> 77
tcttgctggt caggaacat tctgcggcag ttaaacagca gccttcccca ttaagtcttg      60
gcaacacagg aaaggtagat gcttttcagt aacctttccc tgtaggactc ttccagagcc      120
aagaacataa ggtgtgaccc atctggacta aaaaaataa agcagaattg tatcaattgc      180
tactcctttt tattcccanc tngtttttct nttttttttt ttttaattccc atcttgtaag      240
agaattccca gggagccttt ttgagagaaa gttcattgga tttatttttt taatttttat      300
gccatttctt gtaaaagcaa actgctctag ttggatgcc aagtatacata aatgtattga      360
taatatccag tctcttgggg aactctagga gtatttgctt aagacacatc tttgggttcc      420
cttacactct ttctaagatt tacaggagaa ggagagtctt actgtctttt ctagtcttat      480
gaaagtgata acc                                          493

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```

<210> 78
<211> 652
<212> DNA
<213> Homo sapien

```

```

<400> 78
tcttgctggt caggaacat tctgcggcag ttaaacagca gccttcccca ttaagtcttg      60
gcaacacagg aaaggtagat gcttttcagt aacctttccc tgtaggactc ttccagagcc      120
aagaacataa ggtgtgaccc atctggacta aaaaaataa agcagaattg tatcaattgc      180
tactcctttt tattcccata ttgttttctt attttttttt aattcccata ttgtaagaga      240
attcccaggg agcctttttg agagaaagtt cattggattt atttttttta tttttatgcc      300
atttcttgta aaagcaaact gctctagttg gatgccaggt atacataaat gtattgataa      360
tatccagtct cttggggaac tctaggagta tttgcttaag acacatcttt gggttccctt      420
acactctttc taagatttac aggagaagga gagtcttact gtcttttcta gtcttatgaa      480
agtgataacc gactgggagc agtggctcac gcctgtgatc ccagtacttt gggaggtcta      540
ggtaggtagg tagcttgagg ctaggagttt aagaccagcc tgggaaacat agactccctt      600
tccattttta aaaaaaaaaa aaaaactcga gactagttct ctctctctct cc          652

```

```

<210> 79
<211> 591
<212> DNA
<213> Homo sapien

```

```

<400> 79
tgcattgtga agagatatcc caggaatctg atcttgagaa cttgaacata atgttaatgt      60

```

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acgtgctata ggcttatagg ctccatgaag caaccttctg ttagatcaag gcaaaaaaaaa 120
aggcttacca tttcctactc catttccatg cccgtaaaag ttttgtttgc cactttgaaa 180
tctgcaatga atctagagca gtagcatcaa tactttccta aactggatg gatactattc 240
acagcatccc ccctcctcat cgtcaccggc atcactttcc tcattaccac catccccatc 300
actagcatct gtagcacact tagtctacaa agagctttca ttcacctgac cttcttagaa 360
caagataatt atcaactttt ggtgctggac cgagtgtttg gacacttcat cttgcagtga 420
ttttgtgggg gtaaataagag cagcattatt tgcacaactc ccaacaacac agtgtttgct 480
acataaggag tgcttgataa atgtggaatt gattaatgta aataaggaaa ctaaagctta 540
ggagaagttc tgttgttttc tcagtatcag gaagaaagga attgcagaca c 591

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```

<210> 80
<211> 160
<212> DNA
<213> Homo sapien

```

```

<400> 80
ggggcagaat atctgaagag atcatggctt gaaaacttac taaatttgat gaaaaatggt 60
gatcttcaca ttcaagacgt tcagtgaact ccatatagga gaaattcaag agatccacaa 120
ttagacatat gctactcaaa ctgtcaagag acagagacaa 160

```

```

<210> 81
<211> 731
<212> DNA
<213> Homo sapien

```

```

<400> 81
gcagacagcc cggcgaaccg cgcaatgcgc tttcttctgc ctgcagcaga gaaaaggaaa 60
gaaaactccg caggggctcc gttggcttct ccacgagtga caaccatggt tccccatgat 120
agacagaccg gagccctgct cctttgcgat cgcgcgaggg ctgcagagag catcctcatc 180
catttgggca cccctgcca ggaagagccc gggecatccc ctttccggga cgtggatcct 240
ctaagagggtg aattttcttc ggtggattcc gatttgctcc gtctgaccag ctaggcaat 300
ccagcaatcg cggtgggtaa ccaagttgcc gcttgggcac acatggcttc acgccggctc 360
cgcctcacca gcaagcgcca ttcccagagg agaaaatgag aactgagtg ggactcaggg 420
attgctccag gccacacagt cagcaggagg caaagcccag attcaaatgc agattactca 480
gtccacaat ccacatcctc acaggaggct gcactccttg ccaagcgtc agacaggagc 540
aaagagaaag aaggcaacca gctggctact ttcttcctt cttggatgcc tccaacaggg 600
tgagaaggac taaacaaatg accaagtgtc atccatttt ggacatactt aaaacacccc 660

```

atggaatttt tattctgact ttcttctgcc tgtgtggcat ttatgtttta ataaaagaga 720  
attcaactcg t 731

<210> 82  
<211> 666  
<212> DNA  
<213> Homo sapien

<400> 82  
cagtgtagca ctgtaattta ttctatttct tgactaatta ttcaagccct tgataaacia 60  
tggttatggg atgacttacg ttagctctc aagttctaaa taatgttaag ttagcagat 120  
aaggcagttt atcacagtgt ccgttcactc agacagcata agtatgtgtt gataaaataa 180  
tcttaataac aagaacttta gtaaagaaat aagccacttc attaacattg taaaatagtt 240  
ttaagatata aagtatgaaa ggaattttac agtgtatata ttttctgact ttccaattag 300  
caattataaa tttttattga caatcttatt ttgaaaaccc cggagttttc aaatattctg 360  
catttatgtt gaccatttta ccaagatgat aaaacatgca ttattttctg ccattttata 420  
atttttacag ggggaacag cgaagccaga tgatttatta gttattgccg gtgaaaatac 480  
agagatcctt tgaacattt gtctctccta gaattctcat caaacatat gcttctaaca 540  
cagcacttaa cagtcatggg gagtatgtgg gaataacaga gactcgcttc cctggccaaa 600  
accacacata gaccacaca cttgaaaaat aaggaaataa gatcatctga gtatggagat 660  
tcctca 666

<210> 83  
<211> 673  
<212> DNA  
<213> Homo sapien

<400> 83  
cagtgtagca ctgtaattta ttctatttct tgactaatta ttcaagccct tgataaacia 60  
tggttatggg atgacttacg ttagctctc aagttctaaa taatgttaag ttagcagat 120  
aaggcagttt atcacagtgt ccgttcactc agacagcata agtatgtgtt gataaaataa 180  
tcttaataac aagaacttta gtaaagaaat aagccacttc attaacattg taaaatagtt 240  
ttaagatata aagtatgaaa ggaattttac agtgtatata ttttctgact ttccaattag 300  
caattataaa tttttattga caatcttatt ttgaaaaccc cggagttttc aaatattctg 360  
catttatgtt gaccatttta ccaagatgat aaaacatgca ttattttctc cattttataa 420  
tttttacagg ggaacagcg aagccagatg atttattagt tattgccggt gaaaatacag 480

```

agatcctttg aaacatttgt ctctcctaga attctcatca aaccatatgc ttctaacaca 540
gcacttaaca gtcattggga gtatgtggga ataacagaga ctgcttccc tgccaaaacc 600
acacatagac ccacacactt gaaaaataag gaaataagat catctgagta tggagattcc 660
tcaaaaatta aaa 673

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<210> 84
<211> 488
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (392)..(435)
<223> n= a, c, g or t

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```

<400> 84
cctgtgaaaa tgtataatgt gtaggttatc ctaaaggcat gagccaccgt gcccgccaa 60
gaaaaggaca tctttttcta atttaaacag aagcagcgaa gtcctagtgg tagccctgat 120
tagcaatatg gaaaatttcc aagtacatta ttgcttgtgt cataccttac agaaggaaag 180
aagaatgaga gaggcataata ttagagagtt gtaactgcct attgtttaag gatagaataa 240
taaatactca tcttttagtat ttactaaaga tgaagttgct caggacttaa gtggcggcag 300
tctgttgtaa tggttaaggcg gcacatcggc tctgcagtca gatggcctct cttcttctct 360
aactggtcac cttatgcaag ctgttgcaac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnntgtag ggtggcaagg ttatacatat tataaggta tgcatattga 480
tgtaatct 488

```

```

<210> 85
<211> 368
<212> DNA
<213> Homo sapien

```

```

<400> 85
ctttatatgg ttctgattta tgagaaaaca cataccaaatt tttgatgacc attattaact 60
attattgtct atgctgcttt ttcatccttg agaaacaacc taaaaatctt ggactgtatt 120
tttttaaatg ctaaagtagg attcagaaaa cagatttttg tcatattgtc tttgaaacct 180
cattataaat catttagctt ttgctctact tactttcagg tttgccataa agagcacaag 240
agataatata tatgaaagtg atttatactt ttgttaagag ttttggtcag tgtctaata 300
tattacagcc ttttgctga ctcagcttgg caatctagtc tgtaacttc actctaagta 360
ataatatt 368

```

<210> 86  
 <211> 133  
 <212> DNA  
 <213> Homo sapien

<400> 86  
 gttacagcat tatttaacag tgaaatgttg ttctttatat taaattgtgt cttcctgtct 60  
 ctatagtgcata tatacataga ccttgtgacc acagaatttt tgctattcga aacttttatt 120  
 gaaaagtttt ctt 133

<210> 87  
 <211> 626  
 <212> DNA  
 <213> Homo sapien

<400> 87  
 gaccgctcta attaaatatt ttaagggttac agcattatatt aacagtgaata tgttggtctt 60  
 tatattaaat tgtgtcttcc tgtctctata gtgcatatac atagaccttg tgaccacaga 120  
 atttttgcta ttcgaaactt ttattgaaaa gttttcttag cctaggcaac acagcgagac 180  
 ctagtctcta caaaaagatt tagccgggca tgggtgtcatc tgcctgtagc ttcagcttct 240  
 tgggaggctg aggcaggagg gtcacttgag cccgggagtt tgaggcacag tgagctgtaa 300  
 tcataccatt gcatgggtgca ctccctcctgg gtacctgatg agaccgtgtc tctaaaaataa 360  
 gaaaataaaa taaaggggtgt gggatttgtt ttttcagtag gcaggcggtt cacggaatat 420  
 gggacatcag tgtgcaatct aagtttctag gttttctttt ttaggttttc ttaaaaaaag 480  
 atgttccctc aagtaactct taatagaact aatagtactc tcaattgttt ttttcttaca 540  
 gggctctatat ttacgtgcct aacagtagct ctgggatttt atcgctgtg gatctaataa 600  
 agtgtctatt taaagtgtaa taaaaa 626

<210> 88  
 <211> 380  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (372)..(372)  
 <223> n= a, c, g or t

<400> 88  
 tgtggccaca tcagtaagtc ctgtccgata ggatatatgc aaaagtgtca actatccact 60  
 tccatgaatc tccttaaaag atagtgtagt cctttgccct tcctcttcat cctctctcta 120



```

gttgctgcct aaatatgggc atggtggccg gagctccac tgcttgaac cctgaggaca 180
agggctgcat cctactaggg aggcagagct atgagctaga cgcaatgtgg cccctggggg 240
ctctttgcag aacagccact atcccagccc ttctagatgg ggaaagcgag gccctgagaa 300
gtgatgagaa tcagtggcaa agtcagatgt accacttcag tcacacactc acattttttt 360
gctttgttcc tntttttttt 380

```

```

<210> 89
<211> 493
<212> DNA
<213> Homo sapien

```

```

<400> 89
ttctggacct ccatgttaaa ttcttggttt gaggcaggga aagatgaaaa cttacttgca 60
gtgtagttag tgtagagaga gaaaacagtg gctgtagtta ggaacaagtg aatgttaaca 120
agtttgcttc tcaggggcat tgggttaaca acttcttaac tggccagggt ccagcacggt 180
aatcattaac ctagggctga gcatctgctg cctgatgtat ccagaattag tttatcatta 240
cctctaacga ccatctttta tggttccgaa gagcctctat gcagtctctt atcaccgcca 300
tgcctaactc tcatttaccg ggagcagtgt gctgatgttt cttagttaga ccagagtaag 360
aagtttatgg tcagttgatg aatttttaat tataactgtt taaaaagaag acgatgacta 420
tgaacagcag ctcaactcgta gcaatctttg gacagtactt cgaagtgacc cactttccca 480
tttaactctt ggg 493

```

```

<210> 90
<211> 1119
<212> DNA
<213> Homo sapien

```

```

<400> 90
ttctggacct ccatgttaaa ttcttggttt gaggcaggga aagatgaaaa cttacttgca 60
gtgtagttag tgtagagaga gaaaacagtg gctgtagtta ggaacaagtg aatgttaaca 120
agtttgcttc tcaggggcat tgggttaaca acttcttaac tggccagggt ccagcacggt 180
aatcattaac ctagggctga gcatctgctg cctgatgtat ccagaattag tttatcatta 240
cctctaacga ccatctttta tggttccgaa gagcctctat gcagtctctt atcaccgcca 300
tgcctaactc tcatttaccg ggagcagtgt gctgatgttt cttagttaga ccagagtaag 360
aagtttatgg tcagttgatg aatttttaat tataactgtt taaaaagaag acgatgacta 420
tgaacagcag ctcaactcgta gcaatctttg gacagtactt cgaagtgacc cactttccca 480

```

```

ttaaactctt gggaagcctg gggtgccctg ttttcgactt tggaggtccg tgggctagat 540
tcagagtgcc ctggcaggct ggcttgggtt tgaggctgtg gctgcagcct ccgcaacacc 600
ctatctcagc acctgggaac tggcccttgg tacccgattc tttcttcttt gtgtgtgtgt 660
gtaaatcatt ttcatttttt ctaatgatca aagtatacat taaaataaat gaaagcaata 720
caagtccatg tgtatggtag aaaatctgga caatactaaa aatgtacaga aatggctttt 780
aaagattaat tttcaacctt taaactaagc tacttttcat tttagtgtct ttttaaaaac 840
agctttttaa aacattttta agggctcatc atgttcaaga atgagggaat gtttggctac 900
aaggccttca gtatgactct atcctatagc tggaggttta ataataatt atattaaagc 960
ttttctaagc ctccagaagg gtttgtctgg gtcttattta ctataacagg caagttaaag 1020
aaacttgagt ttaatttata tttcagttca ctttttttag acaacaagtg caatttgggc 1080
tttatttatg gaaggagaga gttgtccttc tccccgaa 1119

```

```

<210> 91
<211> 455
<212> DNA
<213> Homo sapien

```

```

<400> 91
gcactccagc ctgggcgtcg ataaatggca ataagggagg cgtgcctgcc gcaagggttt 60
tgtgaaagct ataagaacac actccctaca aattttatacc gacacaccac agacttagag 120
gaaaagggtt cccaggccct tcccaaggcc ctgaagttga ctttctaagc caaacagacg 180
ggacatgtgg atggaaggtc cacttctcaa agaaagtctg aagcaagctc aggaaacttc 240
tggagctttc tggagctgca cggaaagctg tggatatgtg gcccatgac gtgggtctct 300
gaacttgcat agacttgacg tatggcacia aaattgcaga tggaaaagag gaaaccacag 360
ctttcacgct aatgaacagt gtttcttaca aagagttacc tggcttctag atctgtgatc 420
atgaattcca gtaaaggcaa aaaaaaaaaa aaggg 455

```

```

<210> 92
<211> 891
<212> DNA
<213> Homo sapien

```

```

<400> 92
gaagtctatt atagcaatta gtttgcttta aatatgtaat ttatattaat ggccttatac 60
catccttatt ttgcaactaa cttttcattt aatattatat gcaagacatt tctattcctg 120
taagtatagc tctgcctgca cagaattggt ggattaatga tgtagatttt aaatgtcagt 180
ggatgtagca gaattgcttg catcaattca ccctccataa aaggacccat ttctccaaac 240

```

```

ccttgccaac agtaagtggg atcaatatcg atagggtggt ttgttttggt ttaaccagtc 300
tcgtgattga aagtaccttg ttttcacttg aatttccttg attacgtaca aaatcaaaca 360
tttccatggt tattggccat ttgtagatct ctaccgtaca ttgcctatta gtgttatggt 420
ggcctagttt tcctgtgggt tgtttatctt ttaggattgc tcccctaaac aaaaacaaaa 480
aggcagttat tccaatgata aacaaatatt cttttctcca ccagtttaaa atgtcagctt 540
tcaactcatc acatgctaag ttgtctatct ctgtcctgtg gatccagggtg ttggttctac 600
caaccacact cctcacgtcg tcatttggtg ctttgcattg tgttttgcca ttcattgggca 660
agttcctttt cctttctccc cctcttcagt gtcttatact tgggtgtttt ctgttccagc 720
tgaatcaaga attagtttat taaattccag taaaattgtg gtgttctttt gactaggatt 780
gcatttggtt acacattaat ttgagaataa tagacctctt tataattaat ataatgtttc 840
tgattagtgt tatgataggt ctcattttat taaagtcttt tatattcttg g 891

```

```

<210> 93
<211> 278
<212> DNA
<213> Homo sapien

```

```

<400> 93
aatatccaaa tccatgttga accagtattt ttgaagattg accttcagga taaactaata 60
gcacaatctt catgcccttt cattcataac taactgaaaa gggtgacttt tgtaccagga 120
acccaacgaa gaaaacttgt atcttgtcag gggtggtaac ctggctgcca ttgactgaga 180
ccaaaatata ccaacagttt gtcctcagct gctaagctgc tgtgggttaga atcaaacgta 240
gagtttctgg cctgggtgagg tggctcatgc ctgtaatc 278

```

```

<210> 94
<211> 274
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (95)..(95)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (136)..(136)
<223> n= a, c, g or t

```

```

<220>

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<221> misc\_feature  
 <222> (194)..(194)  
 <223> n= a, c, g or t

<400> 94  
 gattaccaga ttttattttt aaaatttttag caatatcggt cttaatatta gccaatcac 60  
 tgcctatgga tgcagcacca tttttccctg cacanccct gtagagacct gcctgggtgct 120  
 cagaagaaga aagatngaatt ttgctgttcc caggaaatgc tgcacattgt ccatttacca 180  
 gcatcttata gaanatataa atatgaatct acaaattctc ttggatttaa taatgtaact 240  
 tatatttatc ataaggtggc tattccagat catg 274

<210> 95  
 <211> 130  
 <212> DNA  
 <213> Homo sapien

<400> 95  
 cagataccac tctaggtgat gactgccagt ctgtgcttac agcccaaacc tctcctgagc 60  
 accaaccat atgccacagg tgcagagaca gcacaacca gtgtcaagga gcctggcttt 120  
 taagagtcac 130

<210> 96  
 <211> 1100  
 <212> DNA  
 <213> Homo sapien

<400> 96  
 gtggccactg cccttggaaat gaataataat cacactgaca tacaactaag aagttatgga 60  
 atacattagg aatgctgagg gcacatggaa aacagtgacc cattctacct agtggggttt 120  
 taaaatactt atttttaatg tttaatgctt tagggaagaa agcagggaga tgaaacatga 180  
 aagatgaaca ggaaatggta ggagattttt atgaaggtag aagagacagg gctttgggaa 240  
 tggatacccc cagggttaact cccagatttc tggcttaggc aactgagtgg caccactgtc 300  
 agagcctaga aatacaggct tgaaaggaga gatgctaagt gtagctttgt tggctctttg 360  
 ataaatatgc gacctgcacg tggagctatc caggaataac aagtcaaaag acccaagtcc 420  
 tcttgagagt ttctctgag ccatatatgg tttcctttct tttttctttt ttttttctt 480  
 ttgagacaaa gtctctctgt cgcccaggct ggagtgatgc aatggcacia tcacagctca 540  
 cgggagcttc gacttctctg gctcaggtga tctctctacc tcagcctcct gaatagctgg 600  
 gacaggtgag caccaccaca tctagctact ttttgtattt tttgtagagg tggggtctcg 660  
 ctatgttgcc caggcagctc ttcaactcct gaggtcagg tgatctgcc gcctcggcct 720

```

cccaaagtac tgggatcaca ggcacaagcc actgctcctg gccatatatg gtgttattta 780
atcctcacaa caaccctatt attatgcctc cctttaacag ctgaggaaac tgaggcacag 840
agaaattaca taacttgccc aagattacat gactcttaaa agccaggctc cttgacactg 900
ggttgtgctg tctctgcacc gtgggcatat ggggttggtgc tcaggagagg tttgggctgt 960
aagcacagac tggcagtcac cacctagagt ggtatctgaa gcctcaagag gagacaagat 1020
cacatggaac gccacggaca gaacatgtg gagcaccatt ctcatctagg taggagtcctg 1080
caaagaaggt taaaaagaaa 1100

```

```

<210> 97
<211> 591
<212> DNA
<213> Homo sapien

```

```

<400> 97
cgatgttttt gatatgtttg ctagttataa attaaataac tatagttatc cagtttttagt 60
tttgtatgct actctcttcc ctcatcatat gatattttta aaatctagtt cagtgtttct 120
gatatatgat ccaaatagta ttaatatatt taatgtgttg aaataaacac actaatcac 180
cttagcacac agtatacaca ctaaaagtat taatattggt agtgtgtata tttctataaa 240
cactaataat atagaaatat acacactaat aatattaata ttatttttatt atttttgcct 300
cttcattttt tgttgatcat caactcatcc ttagttacct ccaccatcat cacaaatctt 360
ttaatattac taaaccttta ccttccttgg ttataaatta aaattaaaca caacttttgt 420
ctctagagat gcagatatag tctgtgaagc tgctttgatg gcagtgattg tgaaattcct 480
ctgattgggt caggtttggg taaatttctt tcagtttttt tactctagtt cctactacca 540
atztatagtt agcttaggac ttggacacca gaatctaagt ctatgagaaa t 591

```

```

<210> 98
<211> 1550
<212> DNA
<213> Homo sapien

```

```

<400> 98
gatcttacat ggcttatttg taacctgcag tattgaccat tgccccttat aattttatagg 60
taaattctgt tgatcagcat ttttaacagc tcaatcgatg tttttgatat gtttgctagt 120
tataaattaa ataactatta gttatccagt tttagttttg tatgctactc tcttccctca 180
tcatatgata ttttaaaaaat ctagttcagt gtttctgata tatgatccaa atagtattaa 240
tattattaat gtgttgaaat aaacacacta atacacctta gcacacagta tacacactaa 300

```

```

aagtattaat attgttcagt gtgtatatatt ctataaacac tcaataatat agaaatatac 360
acactaataa tattaatatt attttattat ttttgccctc tcattttttg ttgatcatca 420
actcatcctt agttacctcc accatcatca caaatctttt aatattacta aacccttacc 480
ttccttggtt ataaattaaa attaaacaca actttgtctc tagagatgca gatatagtct 540
tgtgaagctg ctttgatggc catgtgattg tgaacattcc tctgattggg tcagggtttgg 600
gtaaatttct ttcagttttt ttactctagt tcctactacc aatttatagt tagcttagga 660
cttggacacc agaatctaag ttctatagag aaatggactg agtctgtcct gttcacagct 720
agatcttgaa caccoaagaa tataatacct gatgcaaagt agttggtact cagtagatat 780
ttgttgaatg aaaaatgtcc aaatcaaaga aaccacagtc tgatgcccat atattcctat 840
atacaaaatt gtacattata cttaatatac agaagtgtat attaaacctt aatgtttctaa 900
tactattttt acatctacaa cataaaaaag aataatgtag gctcaaatat cagataaatc 960
taggttgaga ttgtggcctc atcatttact taaagtgtgt tcttgggcat attagtaggc 1020
attctaagtt tcagttccct cttctcttga ttatataata attactacat ggaattgcta 1080
tgggagatta atacaaataa agctcatagt actgtggctg tctaactttt tagctgtcat 1140
tattctaaca gttattacta tcctattctc aactgttttt aaatagtatc ttgctgtttt 1200
ttaactttat gtccatttta ctgttcactc ttatgagcca cagagtctgg aatccagcct 1260
tggttctctc agaactattg attttctatg ttcttggttg aacaattttc tgctttagaa 1320
aatctgcac agtcttcttc ttacagatt ttccctcttt attgtaaaga tctttaatcc 1380
atggaattta ttacaaatta atgattaatg gactggctct gagtgaataa ttcagcagct 1440
gaactaaggc tgtctttaat agcaccaata taagtgaatt caggtaaacac acaatgggta 1500
cttttgctct gctgcagatg atagctcttt acctttcgtg gtttttccat 1550

```

```

<210> 99
<211> 535
<212> DNA
<213> Homo sapien

```

```

<400> 99
tatttccaat atcatctcac tttatatattt attcatgtaa actaagtttc taaagtggaa 60
attttagaat ttcccttctg cttctgaaaa cacttcagtg gcttttcatt ggcccaaact 120
ttttgggggt agtattcaaa agtttcatga tttggccctc atttgccttt ctgatgtcat 180
catatgtcac tctctcccat atactttaat gcaagttttg tgatctctga gtacatgtca 240
aacttctact ttaactccac ttgtcatttg tgttatgaag actggaagcc ttccttttcc 300

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ccaggccttgg gtgaagccaa gtgctttaca tacctggaat gtctttgtca cagtaatttt 360  
 cagttagttt gtaattgctc atttaattaa cttagtcccc ttagtagatg tgagtacttt 420  
 gaaggcagta atttttttta aacaatgggt gcttaacatt caataatagc ttgtagattg 480  
 tggtagatttt atatattttg gcagtttttt aatgttttat tttgaaactg gagat 535

<210> 100  
 <211> 493  
 <212> DNA  
 <213> Homo sapien

<400> 100  
 acatcccttt gctacacttt tcatgctcat gttttacttg gtgtgtgatt tcctttctgc 60  
 ttctttacta aaccgtggac ttcttgaggg cagaggctag atcttgttca tctttggagc 120  
 catagtctcc attagttgga tgaatgagta cgtgaatgaa tgcttgaatg aatggagtgg 180  
 aatgaaccct gtctccccag ttctatgtcc acctcttatt cattctgtga ctttgggtag 240  
 gacatttaac catagttaat aagaatcatc acaactgttt gcctttctca catactgggt 300  
 tcaaaatcaa taaagtattt aaggcaatgc tttaaaaacc atacagcact gtacaaatat 360  
 gctatcccat ggttaagtag aatttagtgg gaaaattgat accatcaaca tttgattgca 420  
 atgattttat ctaatagaaa attaatcttt cctgggcaca gtgggcttca cacctgtaaa 480  
 tcccagcact tcg 493

<210> 101  
 <211> 843  
 <212> DNA  
 <213> Homo sapien

<400> 101  
 ggccgaaata caatttaatt aaaatactta ttttcttatt agaaagctgc ctctcaatgg 60  
 cacctactgc tacatttaca tagtaaccca aaattgcagt tgcttagcag ggagagaatc 120  
 acagtgctgg atattattta tactttttct tccaaaacga tttgaggaag tactgtgctg 180  
 gccattgttt acatcatatt aggagatctg gatgtcactt tcttttccca tatcctcgat 240  
 ttctcactt tttaaaatgt catgtgtttt tgtaagtttt cttaaactct ttggaaatgt 300  
 gatgacgggtg aaaaatccct gaaggcttct atacacctgt tggcatggaa tattttgcaa 360  
 cccgtttctt cctacaaaac agaagagaca actaaatacg gtttgatcta catctgcaag 420  
 agcctagcca ttcagtatta aaaagtgatg gccctgggtg acggtaccac acctgaagac 480  
 ctatgccctt tccttcacac tcctacttc tgcatttctt ccctcctgaa cgtctatcaa 540  
 gtggaccata tgaaattgcc agtattcaac tgttttttat cttaaaagggt gacaattcta 600

tatcattcaa cctaaattaa tgtctcaaga acataacctt tgtttctatt attgtgacct	660
tacttttaac catcctagag ctctttaacc tgttcacact ggatttcaag gatcttaagt	720
tgttctacta cataatcact atcacacttc agaaacattt tagtttacat taaatacact	780
taaccccttc atatttcac ctttcctttc tcaaaaatag taataaataa cctcaagcca	840
tta	843

<210> 102  
 <211> 1101  
 <212> DNA  
 <213> Homo sapien

<400> 102	
gcacgagggg ctcggtcac tgcaacctcc gcctcccggc ttcaagtgat tctcctgcct	60
cagcctcccc agtagctggg atcacgtagc gcccgccagc atgcctggct aagttttgta	120
tttttagtaa agacaggggt tcaccatgtt ggccaggctg gtcttgaact gctgaccttg	180
tgatccgccc gcctctgcct cctaaagtgc tgggattaca ggcatgagcc cggccgaaat	240
acaatttaat taaaataactt attttcttat tagaaagctg cctctcaatg gcacctactg	300
ctacatttac atagtaaccc aaaattgcag ttgcttagca gggagagaat cacagtgcctg	360
gatattatct atactttttc ttccaaaacg atttgaggaa gtactgtgct ggccattggt	420
tacatcatat taggagatct ggatgtcact ttcttttccc atatcctoga ttccctcact	480
ttttaaaatg tcatgtgttt ttgtaagttt tcttaaacc tttggaaatg tgatgacggt	540
gaaaaatccc tgaaggcttc tatacacctg ttggcatgga atattttgca acccgtttct	600
tccctacaaa cagaagagac aactaaatac ggtttgatct acatctgcaa ggccttagcc	660
attcagtatt aaaaagtgat ggccctgggt gacggtacca cacctgaaga cctatgcct	720
ttccttcaca ctccctactt ctgcatttct tccctcctga acgtctatca agtggaccat	780
atgaaattgc cagtattcaa ctgtttttta tcttaaaagg tgacaattct atatcattca	840
acctaaatta atgtctcaag aacataacct ttgtttctat tattgtgacc ttacttttaa	900
ccatcctaga gctctttaac ctgttcacac tggatttcaa ggatcttaag ttgttctact	960
acataatcac tatcacactt cagaaacatt ttagtttaca ttaaatacac ttaacccct	1020
catatttcat ctcttccttt ctcaaaaata gtaataaata acctcaagcc aaaaaaaaaa	1080
aaaaaaaaa aaatatgcgg c	1101

<210> 103  
 <211> 176



<212> DNA  
 <213> Homo sapien

<400> 103  
 gggtaacaga gtgagactcc gtctcaagag aaaaggaatt ttcttatttt aaaaataata 60  
 ttctgttggtg tatatctacc acattgtctt catttactca ttagatgtta aactgtttat 120  
 tctgtatttt ggctattgtg aaaagtgtca caaacagaat tgcaaatgtt tcttca 176

<210> 104  
 <211> 1689  
 <212> DNA  
 <213> Homo sapien

<400> 104  
 ccgctcattt tttttttttt tttttttttt tttttttttt aaacaaacaa aatttattaa 60  
 actttcaaaa tacaaaaaca tcatcaaaaa gtcatacat tagtaactat 120  
 ctcaaaatga aattcaaaaa aattccatct acctactat agtttgaagt aaatttaacc 180  
 aaaaagttga aacaccttac atttactct aaagaacatt atacaaatta agtaacacat 240  
 aaatggaata atattactca ttcattgaact ggcattttta atagttaa atttgtatta 300  
 caaaaaatga tctgcagata taatgcaacc tctatcaaaa taccagtgtg atacttcata 360  
 gacattttta aaaagcatat ctaaaattca tatggtacca caaaacaccc taaatagcca 420  
 aagcaatcaa gacaaaagaa ggtatcacc tgactttgaa atacactaca aaactgtggt 480  
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gatgcagtgg cacaatctca gttcactgca acctctgcat ccctggctca agggattctc	1620
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tgagatttt	1689

<210> 105  
 <211> 768  
 <212> DNA  
 <213> Homo sapien

<400> 105	
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tataagacgg aaagtcaactg agtatgatgc tgccctccaa cttggagaat acagggagtc	180
acatctctcc agagtggaga ttcattgagaa gaaacaccaa tgagaaaaag aaatggagta	240
tgaaacctga actctaattg atgaatttct ggagaataag tgaggacaag actgagaatt	300
aaacattcca gaaaaactaa ctcataaggg gaacttcaca atattttgag attcaccttc	360
acaaatttga ccattttcca cagcaaatat cagagaaaaa ttaacttgta cattcaggag	420
agaaagggaa aaagaaacct ctttgaaata taccacagag ctctatttct cttatcaagg	480
cctgccctca gaagaaacga attaaccaaa actatcatca gagcctaatt gacctgggga	540
agagaaatgc ttgtctctg ctccactagt tttctacctg tgagaaggca aatacacaac	600
tccagcccac tctagtcatc ttgtcctacc aaagcgggag aacaaaacag aacaacactt	660
gtaaagttga caatccagac gcatagactc actaaaaagc tgagatgtaa tcattaaact	720
aaaatccttc ccctgccact acaccatatt actaaaggcc tatttaga	768

<210> 106  
 <211> 612  
 <212> DNA  
 <213> Homo sapien

<400> 106	
gggaatttca gacaacctag cctagactaa atggtgggca gcacctggca gacaagaact	60
caagaacctt ttctcaggtg gctctgcttt gctgcaggta atggagaagc actggagatt	120

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tgtaagccac ggagtcaa at ggtggactgg gattttcagg agatcattta gagagcaaga 180
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ggtgaagaac taatgactgc agcaggaaaa agaattggat gtgtcatgaa ttatggccct 300
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cctttattaa tgctcataat caagaaataa atctcatact aacaaaaaat tacccttcat 480
aagagaatat aaacagaagt ctggttcata aacttactaa ttaacacctc tattctcatg 540
tatcaactaa catttttggt tcgtcttaaa ataaataaaa ctttatgaca tgctaataat 600
ttatttaaaa aa 612

```

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<210> 107
<211> 628
<212> DNA
<213> Homo sapien

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<400> 107
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agaagcactg gagatttgta agccacggag tcaaattggtg gactgggatt ttcaggagat 180
catttagaga gcaagatctt accaaatcct ttagtcatgg tctatttcgt tgcactcata 240
tggttggttac tgcaagggtg aagaactaat gactgcagca ggaaaaagaa ttggatgtgt 300
catgaattat ggccctgctt atactttctac ttcaaccgta atcatttggt taaacaaaaa 360
gttctgcatt tgaattgtca caattgtgtg tgtgttataa acatctcata tttcatccag 420
gctcagccaa cacttgccct tattaatgct cataatcaag aaataaatct catactaacc 480
aaaaattatc cttcataaga gaatataaac agaagtctgg ttcataaaact tactaattaa 540
cacctctatt ctcatgtatc aactaacatt tttgtttcgt cttaaaataa ataaaacttt 600
atgacatgct aataatttat ttaaaaaa 628

```

```

<210> 108
<211> 103
<212> DNA
<213> Homo sapien

```

```

<400> 108
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cagaccgcaa aaaccacagg gcaaccaaag gccaaagtta gac 103

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<210> 109  
 <211> 348  
 <212> DNA  
 <213> Homo sapien

<400> 109  
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 gatgctggtc ccttccactc tggtcaggtc agtgaataga gcacccagga aatgggtgct 180  
 gcggcatag ttgtggctgt gggtattaat aacactgtcg tgttactgtt atgagagagt 240  
 gtggtgagag catctgtccc agcctagcag gccacagact ttctagaggg gcagtagagg 300  
 tagaaacaac tcaggattct gagagtcctc aagtcacatcc tggccctg 348

<210> 110  
 <211> 616  
 <212> DNA  
 <213> Homo sapien

<400> 110  
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 gaaacaggaa cagctggttt ctgtgggcag gccccgggct ggaactagag ccagggtgctg 180  
 gccggcgggg gacagggaaa gagatcacag cgaagacca gaagaaacaa aaggcaagcg 240  
 aatattttta tatccaactg cctactggac accaaccacg tggacaagtc ctgggtgcct 300  
 caaactcaac atgttcaaag ctgaatacat cacctgctct cccaatatg ctctctcct 360  
 gctgttccca aaatcagaaa atggcttcac gatcagctca gtcattctca gagcaaagtc 420  
 tgagagtcac ccttgaatcc ttctgttgcc tccacattca aaccatcacc atatccttga 480  
 tttctctact gtatattttt catatgtgtc cacttcttct catctgcact ctatttagtg 540  
 aaggccacca acatctctca tctgaatgcc tgcaatacct cctcacaggc caccaggcat 600  
 ctagttttgc ccctgt 616

<210> 111  
 <211> 1049  
 <212> DNA  
 <213> Homo sapien

<400> 111  
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 gaagtaacaa aggagagaag gagactgccc tactgcccta taccaggaag gaataaagcc 120

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aaaaaacag aattctccaa gtgtcaagca aaaacacata ctttgcacac gtttctcgag 180
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tggaactaga gccagggcgc ggccggcggg ggacaggga agagatcaca gcgaagacct 540
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<210> 112
<211> 388
<212> DNA
<213> Homo sapien

<220>
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<222> (324)..(324)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (364)..(364)
<223> n= a, c, g or t

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gtgcgaccgg gcgtcggcag cgcagacctc ttggccttct ctacaggtc ggtgcgctcg 180
ctctcccgct tcccgcgccg actgccgtgc agtccatggc tagacgcgcc ggacaggact 240

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gatggcgggga ccgcgctgcc cgagaaaggg acggaccaat acgtgtgttt cctccgctat 300  
 cagtccegtc gcttcgggca cctncggggc ccggcggtg gctaattgtt tgtttgaaag 360  
 atcngtggaa tttttaagag agtatatta 388

<210> 113  
 <211> 756  
 <212> DNA  
 <213> Homo sapien

<400> 113  
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 cgacgccggc cccggtcgca gccgacgac ccgcccag cctgacctca caccctctgg 240  
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 cgggtggaact ttttaagaga gtatttaaaa aaaaaa 756

<210> 114  
 <211> 918  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (314)..(342)  
 <223> n= a, c, g or t

<400> 114  
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 ggcggggcgg gggttgggac ccagcgggag ccggggcagc ctggctccac ggctgtact 180  
 cggtttacac cgcgggcggg cgcggaggga ggctgcgttt cctccgctat cagtccegtc 240

gcttcgggca cctccggggc ccggcggtg gctaattgtt tgtttgaaag atcgggtggaa 300  
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 aagtattgtg gccttgaggt ttgctaaatc caaatatgaa aatcaaaagc tttagtattc 420  
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 ttcagagtta ggagaatata tccaataaaa gatggtttcg tctaccaatt ggggaagtgt 540  
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 ccctgctttt tgtttttcaa acctcctgct tctccacct tgggaaggag aaatgtgaaa 720  
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 ttttgtgttc cttctttt 918

<210> 115  
 <211> 2753  
 <212> DNA  
 <213> Homo sapien

<400> 115  
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 gcagtctcca gaagtttgag acttgccgt aagcggactc gtgcgccccca actctttgcc 180  
 gcgccagcgc ctggagcgga gagcagaggc ggcccgccg cggcgcgcgc gctttgtcat 240  
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 ccagtacatc atcgcgaagt tcccgttcta cgagaagaat aagaagggtt ggcaaaatag 540  
 catccgccac aacctcagcc tcaacgagtg cttcatcaag gtgcgcgcgc agggcggcgc 600  
 cgagcgcaag ggcaactact ggacgctgga cccggcctgc gaagacatgt tcgagaaggg 660  
 caactaccgg cgccgcgcgc gcatgaagag gcccttcgcy ccgcgcgcgc cgcacttcca 720  
 gcccgcaag gggctcttcg gggccggagg cgccgcaggc ggggtgcggcg tggcgggcgc 780  
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## 61

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gcccgggcccg aaaaccatag acctggttgt actgtagctt gttgtttggg ggaccaaatt 2640
ttctagagag aactagagca cttttgttgt gtttttttgt tttgttttg tttttgcct 2700
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```

```

<210> 116
<211> 81
<212> DNA
<213> Homo sapien

```

```

<400> 116
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attaattaat ttattgtcta a 81

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```

<210> 117
<211> 558
<212> DNA
<213> Homo sapien

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<400> 117
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gtgtgtataa gtggaatcac aggcctgctt tactgctgtg atgcagtagc ttgaattgtg 180
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actcatctat gggctaaa 558

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<210> 118
<211> 693
<212> DNA
<213> Homo sapien

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```

<220>
<221> misc_feature
<222> (209)..(209)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (444)..(444)

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<223> n= a, c, g or t

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 agaacacctc ccagggctca ggaaagtgnt ttacgtacaa tcatgcttat tatgaaggaa 240  
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 tcattagggg aaacaaatgt ggtgaaaaag agttgttatg aaatcagaca cccctatcag 600  
 gaaattccaa agatttaagg agttctgtcc ctggaacagg ggacaaagac cagatgtatt 660  
 ttttattata ccacaataca aatctcttaa ttt 693

<210> 119  
 <211> 838  
 <212> DNA  
 <213> Homo sapien

<400> 119  
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 ggttggttcc tctggcaaca agctcccacc cttaaagctac cttggggtcc cccaagagtc 540  
 acctcattag ggtaaacaaa tgtggtgaaa aagagttgtt atgaaatcag acaccctat 600  
 caggaaattc caaagattta aggagttctg tccctggaac aggggacaaa gaccagatgt 660  
 attttttatt ataccacaga agagtaataa gacgaacata tataccagc atccaaatta 720

```

agaacataa cataaaggta tcttttaagc ctcttggtt cctttgtgaa tatatttcct      780
ctgcttccca gaggaacca ttatcttgaa ttttgtgta tctgttacct tgcttgtc      838

```

```

<210> 120
<211> 551
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (494)..(494)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (540)..(540)
<223> n= a, c, g or t

```

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<400> 120
gtaacttcct taacatcaca ttgcttggag atatcagttt ggctgttcac ttctaattta      60
gattgtttcc aaatgttcag aattaaaatc tgtatactta aattctgtac atagatcact      120
ttgggagttc tgaaatattc atgaatactt gcaccttttt ccagaatcta aacttcatac      180
atctagtttt gttcttgtaa attgttttga ggaagtgggtg gtcagtgtca caaaccagct      240
gtggctccaa acagacacca ggatttaggc ccattacaga gagaccaccc tggaaatatt      300
ctacagttga gaggagcttt cagtctagaa gaggaggaaa tgatacttag ttagtcatc      360
atgtgctttg gcaagaaatt acagtcgaaa ggaaggaaca gataaacatt gtgtggtgta      420
gccactttga agagtgggtc aattccctgt ggcaaaactt cctcctcccc tcttcattcc      480
ccattcccc tatnttgatg ttagataggt ggcactttac tgtgtcactc ccggcctatn      540
ctccccacaa c                                                                551

```

```

<210> 121
<211> 635
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (540)..(540)
<223> n= a, c, g or t

```

```

<400> 121
gtaacttcct taacatcaca ttgcttggag atatcagttt ggctgttcac ttctaattta      60
gattgtttcc aaatgttcag aattaaaatc tgtatactta aattctgtac atagatcact      120

```

```

ttgggagttc tgaaatattc atgaatactt gcaccttttt ccagaatcta aacttcatac      180
atctagtttt gttcttgtaa attgttttga ggaagtgggtg gtcagtgtca caaaccagct      240
gtggctccaa acagacacca ggatttaggc ccattacaga gagaccaccc tggaaatatt      300
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ccattccccc tattttgatg ttagataggt ggcaactttac tgtgtcactc ccggcctatn      540
ctccccacaa cactacttgg agtttaataca taagatcgtg gttttatttt tttcccttaa      600
aagatggatc tttatttctt ttacttttat attct                                     635

```

```

<210> 122
<211> 118
<212> DNA
<213> Homo sapien

```

```

<220>
<221> misc_feature
<222> (99)..(99)
<223> n= a, c, g or t

```

```

<220>
<221> misc_feature
<222> (113)..(113)
<223> n= a, c, g or t

```

```

<400> 122
attcagggtc ccttcattt taccacacta ttcaaaattt ggattctcta tgtagccaaa      60
tggataatga gaacccaaaac ataaaaaaaag agaagaaana aaaaaagaaa ganaaaga      118

```

```

<210> 123
<211> 673
<212> DNA
<213> Homo sapien

```

```

<400> 123
tttttttttt ttgagacaga gtctcgctct gtcgcccagg ctggagtgtg gtgggtgcaat      60
ctcagctcac tgcaaacctc cgcctcccggt gttcatgtcca ttttctgtcc tcagcctccc      120
aagtagctga gactacgggc acacgccaca acgcccgggt aattttttgt attttttagta      180
gagacaggggt ttcaccgtgt tagccaggat ggtctcgatc tcctgacctc gtgatctgcc      240
tgcctcgggt tcccaaagtg ctgggattac aggcgtgagc caccgagccc agcctaaaaa      300

```

```

ctatTTTTat atattctctt tacatctcca taatcctgta aggacgtagg cattattctt 360
tttttctaga taattgccat aataaattca tggaaatcagt gtagggaaga caaaaaaaga 420
aaaaaaaaat tcagatgaga aaactaaggg acttgctcaa agctgcacaa ctagtaggaa 480
cagaataacc caattcttac agtgtcttca ttcagggtc cttccatttt accacactat 540
tcaaaatttg gattctctat gtagccaaat ggataatgag aacatgtata aaataataaa 600
gaaataaact acaatcataa aaagtaacta aaatagccaa ctgtcatgta aaaggtatgt 660
agcaaactga cag 673

```

```

<210> 124
<211> 370
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (324)..(324)
<223> n= a, c, g or t

```

```

<400> 124
ggggagagca gagcagagcg tgaagggtgct gggaggcctg cctcaaagtt ggcaaaaccc 60
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aaccaggcca ctcaaaagcc tcttgctgtg gctctctatg aatggaggct ggggcaaggg 180
caggaccctt gggcctcagg cgagaagaag cagatttacc ctcagctttc ttctgtcttg 240
tggcattggc tgtgccccgg attttaggag ccttggccct tctcatccga gaagcacctc 300
taacgcgaac cctccttcgc gcantatagc tgcaaagatg aaccgtcttt gaattgtaca 360
aaagcttatg 370

```

```

<210> 125
<211> 896
<212> DNA
<213> Homo sapien

```

```

<400> 125
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cctgccacct ataagcctcc gtttccatgt ctatacactg gggttcctag ctcacgggac 180
tgtcggggta attgagttag ttaacgtcta gggagcacct gtgacatgcc aacacagtgc 240
tgtcatttct gctgttgtcc atttttctgc atctttatct gtaaggattt gaaagaatgt 300
acagttggaa acctgatgat ctcaagcaga aaatatcttt tcataacgct gagcatgaat 360

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 cctgccaccc agagccacct tccattaact gaggggtcca gggctccctc cgggccactt 540  
 gccactaaag ctgagctaaa gtctcaaaaa ggacacattc ggagccaagc aacaggcaca 600  
 gcccatgtta ggaatgtttc tgcaatggaa aaatacaaaa ccagaaagga agtgtgtggg 660  
 cctaactgta catgtttatc aacattttac tgcaatgtat gacattttctg tgagcacaag 720  
 attagccttg gtattttttt ctgggaagta taaaagactt tttttttctt tcttttggtt 780  
 ttcaattttc ctctagagga atttaaaacc ggatatttcc atcttaaagt tcttgagcaa 840  
 gtctgtcagg gtgtccatat ttcttaccct gttcctctca gcatcgaagt gctatc 896

<210> 126  
 <211> 998  
 <212> DNA  
 <213> Homo sapien

<400> 126  
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 cctgccacct ataagcctcc gtttccatgt ctatacactg gggttcctag ctacggggac 180  
 tgtcggggta attgagttag ttaacgtcta gggagcacct gtgacatgcc aacacagtgc 240  
 tgtcattttc gctgttgtcc atttttctgc atctttatct gtaaggattt gaaagaatgt 300  
 acagttggaa acctgatgat ctcaagcaga aaatatcttt tcataacgct gagcatgaat 360  
 gacatgagaa tccatgtctg aagtgaaatc gtatggatct gaagaatggg tgggtgccagc 420  
 cctgggtggaa tgggggtgcga aggagggagg atgagagcca gacgtttcag tctgggtgac 480  
 cctgccaccc agagccacct tccattaact gaggggtcca gggctccctc caggccactt 540  
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 gcccatgtta ggaatgtttc tgcaatggaa aaatacaaaa ccagaaagga agtgtgtggg 660  
 cctaactgta catgtttatc aacattttac tgcaatgtat gacattttctg tgagcacaag 720  
 attagccttg gtattttttt ctgggaagta taaaagactt tttttttctt tctttttggtt 780  
 ttcaattttc ctctagagga atttaaaacc ggatatttcc atcttaaagt tcttgagcaa 840  
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<210> 127  
 <211> 838  
 <212> DNA  
 <213> Homo sapien

<220>  
 <221> misc\_feature  
 <222> (100)..(100)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (112)..(112)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (151)..(152)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (161)..(161)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (164)..(164)  
 <223> n= a, c, g or t

<220>  
 <221> misc\_feature  
 <222> (134)..(134)  
 <223> n= a, c, g or t

<400> 127  
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 tatacaatatt ctgncatatt tttgggaaag nncatttttg nggngcaaag tagaatcatt 180  
 gttgccaata gagtttagcat ctttgtgtgc ttgtgagggt tgattttgag ggttttcttg 240  
 gttttgtttt gggttctgga gttctaaaaa atgagattgt ctttgtctaa acaattttta 300  
 tataaaaaatg tacatttttg tattattttt tcttattcca acctaatcgg tggcttgtcc 360  
 cttcctgtgt ttattgggct gttgggtgcc tggatagagc tggagaccat ttaactgctg 420  
 tatgaataat agataagcgt cttgaataac atctgaattt cctaggtatg tagaaacacc 480

```

caccatgcac atatatgaac atacagaata tatgaatggt aaaatatggt gaaaacaatc 540
ttttgctaata agaagtgtta acctttatct ttaaaaaaaaaa tttgggtgtgt atgtagaggt 600
ttatttgatt gttagttgtg tccatgtata atatgtcatc tacctttaca gatgtgcaga 660
aatttggtgt atttgggtgga tatattttac ttaaaactat agggcagaag ctttttatgt 720
ttgttgaagt gaaatggcat accaaacctg tgtggtagag tgggattttt agattgctgt 780
gtgtacagtc aggttatatc tttaaaatac ctattcggtta tatattaata tgtagaca 838

```

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<210> 128
<211> 5542
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (5379)..(5379)
<223> n= a, c, g or t

```

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<220>
<221> misc_feature
<222> (5382)..(5382)
<223> n= a, c, g or t

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<220>
<221> misc_feature
<222> (5391)..(5392)
<223> n= a, c, g or t

```

```

<400> 128
cacaaacctg gaagcggatc gcgtggagtg aaggctctac cacggcgcgt gagtttcgct 60
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atccccacgg acctggaaat tctcgctgtg cttcccttca cccagagcaa attgagacgt 180
cccggaggaa gaccaaggca gcctattggg ccttccagga aatcacatgg gaatcagcca 240
cacgtcattc ctctcacctc cagaacatct cagaataact tggtgaaatg tctccactg 300
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aggggtgacta cgtacttccg gaaacggccg aacttgacag catgtatttt aaatttgtga 540
aataaattac tttatttgta agtggtgtaa ttataatat aaagagaaac ttagatgtat 600
acgtgaaaag agtgagaaga tacatcactt ccaattttgt ttgtttgttt gtttttttga 660

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gaggaatttt cactcttgtg gctgaggctg gagtgcaatg ccatgatatac agtccactgc	720
aacctctgac tcctgggatc aagggtattct ccttcctcag actcccgagt agctgggatc	780
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cacacagggg cattgcaaag atatcaaagt tatcacattg gagatttttg cttccaggaa	1140
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cttgagtcac ataagagaat tcatactgga gagaaaccat acaaagtga ggtttgtgac	2040
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<210> 129
<211> 2948
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (389)..(412)
<223> n= a, c, g or t

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```

<210> 130

<211> 3063

<212> DNA

<213> Homo sapien

<400> 130

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tgacaggcat caggtagct ggctccact cgggtggcgc gccaggata taaatccggg 180
cgcgggcccc tgctgtggct cctctcctg cacactcagg agaggagct tccttctaaa 240
gacctttctt ttatctgaag ccgcacagcc cggcaggctg tgctgacttg gtggaggcag 300

```

cagcggcaga	gcagcctgag	cagcagcctg	agcaggaaaac	ctgctggggt	ggggagggca	360
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```

```

<210> 131
<211> 904
<212> DNA
<213> Homo sapien

```

```

<400> 131
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gacttgccct gaatggaagc tgctgaaacg ggtgcctttg ggtggtggtc ggcttgccctc 180
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gatctagttc agttcaactc agtggatgtt ctctgaatgc ttactgggtg ccaggaccac 300
agagagatgt tagtcactgc ccagttctta gagccccaac acagataccc tcatcccagg 360
gccccagac acaccctcc gctggactca caactgtctg gagtttctgt ctgatggatg 420
gtgtgctttc atatgccact ggcttccttg gacatagatc agacaaaagc cccgggatct 480
gtttggtagc aggagaaatg aaggaagatg aaaaagcagg cagggaaggg ggtagtaaag 540

```

```

gactgagaga ggagggaggt ggctggagaa ggaaaaggaa cattgctcga tgctcccatc 600
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aaggatgggg cagctcgtcg atgatttttt tgtgtttcca ggcttcctgt gtgatcctgg 720
ccctccggcc gctagagaga ggattgggaa accccactgt cagctctgca tctgccccca 780
ctaccctcct ctgccctatt ctgtccctgc ccctccaagc tgaagaaggt ccttggtggg 840
cgtcctcatt tcttcctcaa atataaggag gaagatacca attaaaagct catagtatca 900
atgc 904

```

```

<210> 132
<211> 442
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (393)..(393)
<223> n= a, c, g or t

```

```

<400> 132
cactaccata gtggggaggg gtattcataa ctgttgggca tgccaggaaa ttcaggttcc 60
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tcccaggtag ctactcaatc tctgtaacac cccagcagga aagttagggg aacttggttag 180
aggctggtga ggggtggcacc ccactcagcc tatgctggca taggcagagg tggggacaca 240
gttcctttctg tgggtgttag ctggagtaga acagttacag tatacaagtt ttctgtctta 300
ctaggttgcc cctttcctgg tctttttgct aaggagagga ggctttatth atttattatt 360
tctatthttg tcttactcac tggcattctg ggntgctggg tcttcagctc caagtctgag 420
atatatggat ccaaaagaaa ac 442

```

```

<210> 133
<211> 530
<212> DNA
<213> Homo sapien

```

```

<400> 133
aatggtcaag aaactttgca tgttaagaaa gtttaagctt tgaaaccttg gaacaacaac 60
tatcatttca catgactctt caccttaaatt catctaattg accatgaata ggtgctttgg 120
tcaatattaa atctagaaac atagatatag tatactctga tattaactag gaattataaa 180
tggtataaac tcttgtaaatt gtttccattt aaaaatattg tgaaactaaa atgattaata 240

```



```

cattaaataa atcaaaattg tatatttttaa gtctggaagt gcattttcat attccaatta 300
taagtgtgta ttaagcgact gttttcctaa atgtcattat tttatatgaa aaatgccttc 360
attgtctgaa agcattttac tgagttccga ggtttgtgat tggacaaaac tgagcacaat 420
tttctcatct gcaaataatt tactgctaat ttgttgtaaa gttagctaatt taaataatta 480
ttgtataaaa cgaaatataa tttggtggaa aacgctaaac tggcagatta 530

```

```

<210> 134
<211> 300
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (289)..(289)
<223> n= a, c, g or t

```

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<400> 134
gctcgaggct gctaacagag aagccctca tcctgtacga ccagtgcaga gaaacgatcc 60
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tcattttaagt atacaacaga tgttcctctg agggaaacag acttataaag tcaggaacac 180
agaagggacc taatggttta ctaggggtgg cgcattaagt tcatagcaat ttaactcctt 240
tcaatgctaa acaaaacaat gacgcaattt gatgcgcaat aaaaacttnt caaaacaatc 300

```

```

<210> 135
<211> 696
<212> DNA
<213> Homo sapien

```

```

<400> 135
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agaacaatct gtttttccta cacttgtcaa gttgctcgaa attcctaattg cccattcatg 120
ttctttccaa ggattagcag agcactcctc gcttgtcttt catcacactc cctccgcaca 180
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atacaacaga tgttcctctg agggaaacag acttataaag tcaggaacac agaagggacc 540
taatggttta ctaggggtgg cgcattaagt tcatagcaat ttaactcctt tcaatgctaa 600

```

acaaaacaat gacgcaatgt gatgcgcaat aaaaacttgt caaaacaatc aaaaaaaaaa 660  
 aaaaaaaaaa aaaaaaatc tgcgctcgca agaata 696

<210> 136  
 <211> 376  
 <212> DNA  
 <213> Homo sapien

<400> 136  
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 agtcctctcc aaataaggca aaaccagct ttatttttag taatgacttt cccaactgca 180  
 agagggcaca agtccatgat ccagcattac agaaaccac caacttccag aaaagtttca 240  
 acaactcata aagactcaca tgtgcatgca gacacaaaga cccatttttag ggaagaggcc 300  
 ccaagacata gtctgaagcc ccagctgggc acttttctcc atgacaaactc ttcagccagc 360  
 ctgggacagt gcaacc 376

<210> 137  
 <211> 1141  
 <212> DNA  
 <213> Homo sapien

<400> 137  
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 atctgtataa actgtggctg gttcacttta accctgagca ggagctgcct atgaaagagg 720  
 atggctggag tcagatgcct gggcactctt ctggtcaagt cgggagctct cagtgcctgc 780

79

```

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caaggattag cagagcactc ctgcttgctc tttcatcaca ctccctccgc acatggggta     1080
aaaattacat ttgagtggaa ccctggctat cgatgcctgt aaaatggaga ctttggcgag     1140
a                                                                           1141

```

```

<210> 138
<211> 14
<212> PRT
<213> Homo sapien

```

<400> 138

```

Met Gly Tyr Tyr Val Ser Asp Val Leu Leu Asp Leu Val Phe
1           5           10

```

```

<210> 139
<211> 18
<212> PRT
<213> Homo sapien

```

<400> 139

```

Met Phe Leu Ser Ser Val Leu Tyr Cys Ser Leu Leu Ser Tyr Leu His
1           5           10           15

```

Leu Ser

```

<210> 140
<211> 449
<212> PRT
<213> Homo sapien

```

<400> 140

```

Leu Phe Pro Arg Leu Glu Tyr Gly Gly Thr Ile Leu Ala Tyr Cys Asn
1           5           10           15

```

```

Leu His Leu Pro Gly Ser Ser Asn Pro Pro Thr Ser Ala Ser Gln Val
          20           25           30

```

```

Ala Gly Thr Arg Asp Val Cys His His Thr Trp Leu Val Cys Val Cys
          35           40           45

```

Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Cys	Val	Glu	Met	Arg	Phe	His
50						55					60				
Tyr	Val	Ser	Gln	Ala	Gly	Leu	Glu	Leu	Leu	Ser	Ser	Ser	Asp	Pro	Pro
65					70					75					80
Ile	Ser	Ala	Ser	Gln	Ser	Ala	Gly	Ile	Ile	Gly	Ile	Ser	His	Cys	Thr
				85					90					95	
Trp	Pro	Trp	His	Asp	Ser	Phe	Ile	Ser	Pro	Gly	Ala	Glu	Leu	Pro	Thr
			100					105					110		
Phe	Ala	Tyr	Thr	Trp	Pro	Gly	Arg	Pro	Lys	Ile	Pro	Leu	Thr	Ile	Leu
		115					120					125			
Leu	Leu	Tyr	Pro	Gly	Pro	Gly	Asp	Val	Leu	Val	Ala	Phe	Arg	Thr	Glu
	130					135					140				
Leu	Tyr	Tyr	Ala	Ser	Pro	Ser	Arg	Gln	Pro	Gly	Ala	Ser	Asp	Thr	Ala
145					150					155					160
Arg	Glu	Ser	Trp	Gly	Asn	Gly	Ala	Val	Pro	Asp	Phe	Leu	His	Lys	Glu
				165					170					175	
Trp	Leu	Ile	Phe	Cys	Pro	Phe	Ser	Asn	Gln	Ser	His	Leu	Trp	Thr	Thr
			180					185					190		
Lys	Ser	Lys	Trp	Ala	Glu	Val	Pro	His	Pro	Gly	Arg	Arg	Ala	Glu	Leu
		195					200					205			
Pro	Ala	Met	Lys	Glu	Gln	Lys	Ala	Ala	Asn	Glu	Asn	Ser	Gly	Ser	Val
	210					215					220				
Thr	Glu	Pro	Ser	Ser	Ser	Ala	Ser	Ile	Leu	His	Ala	Arg	Trp	Asp	Val
225					230					235					240
Tyr	Phe	Leu	Ile	Asn	Ala	Leu	Ile	Tyr	Phe	Leu	Arg	Gln	Ser	Leu	Arg
				245					250					255	
Ser	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	Cys	Ser	Gly	Ala	Asp	Leu	Gly
			260					265					270		
Ser	Leu	Gln	Pro	Leu	Pro	Pro	Gly	Phe	Lys	Ala	Phe	Pro	Cys	Leu	Ser
	275						280					285			

Leu Leu Ser Ser Trp Asp Tyr Arg Ser Leu Pro Pro Cys Pro Ala Asn  
 290 295 300

Phe Phe Val Phe Leu Ile Glu Thr Gly Phe His His Ile Ser Gln Ile  
 305 310 315 320

Ser Ile Ser Ala Pro Cys Asp Pro Pro Ala Ser Ala Ser Gln Ser Ala  
 325 330 335

Gly Ile Thr Gly Met Ser His Cys Ala Gln Pro Asp Val Tyr Tyr Tyr  
 340 345 350

Val Ser Gly Tyr Ile Gly Lys Gln Asp Arg Cys Tyr Leu Phe Phe Phe  
 355 360 365

Phe Phe Phe Phe Glu Thr Glu Ser Arg Thr Val Ala Gln Ala Gly Arg  
 370 375 380

Leu Glu Arg Ser Gly Ala Ile Ser Thr Arg Arg Ser Leu Gln Pro Leu  
 385 390 395 400

Pro Pro Gly Leu Lys Arg Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp  
 405 410 415

Asp Tyr Arg Cys Thr Pro Pro Arg Leu Ala His Phe Cys Thr Phe Ser  
 420 425 430

Arg Asp Gly Val Ser Pro Cys Trp Ser Gly Trp Ser Leu Ser Pro Asp  
 435 440 445

Leu

<210> 141  
 <211> 11  
 <212> PRT  
 <213> Homo sapien

<400> 141

Met Ile Ala Ile Phe Leu Ser Phe Leu Phe Phe  
 1 5 10

<210> 142  
 <211> 40

<212> PRT  
 <213> Homo sapien

<400> 142

Met Asp Ala Lys Gln Asn Val Glu Lys Thr Tyr Cys Pro Ala Leu Ser  
 1 5 10 15

Gly Ser Phe Gln Asp Ser Met Ile Tyr Trp Glu Arg Ser Asn Ser Leu  
 20 25 30

Pro Leu Pro Ala Thr Cys Lys Pro  
 35 40

<210> 143  
 <211> 17  
 <212> PRT  
 <213> Homo sapien

<400> 143

Met Asp Gly Phe Val Lys Asp Gln Ala Thr Ser Ser Leu Pro Leu Ala  
 1 5 10 15

Thr

<210> 144  
 <211> 24  
 <212> PRT  
 <213> Homo sapien

<400> 144

Met Ala Ser Lys Pro Asn Leu Leu Tyr Ile Leu His Tyr Cys Val Pro  
 1 5 10 15

Asp Thr Ala Asn Ser Ile Asn Glu  
 20

<210> 145  
 <211> 20  
 <212> PRT  
 <213> Homo sapien

<400> 145

Met Ser Cys Ser Ser Ser Thr Gly Ala Gly Lys Tyr Asn Leu Lys Gly  
 1 5 10 15

Glu Ala Asn Leu

20

<210> 146  
 <211> 107  
 <212> PRT  
 <213> Homo sapien

<400> 146

Tyr Tyr Phe Tyr Tyr Tyr Phe Phe Leu Arg Glu Ser Leu Thr Leu Ser  
 1 5 10 15

Leu Gly Leu Glu Cys Ser Gly Val Thr Met Ala His Gln Thr Ile Asn  
 20 25 30

Ile Pro Gly Ser Ser Asn Ser Pro Val Val Val Gly Thr Thr Gly Ala  
 35 40 45

Cys His Asn Ala Trp Leu Ile Phe Val Phe Leu Val Glu Thr Gly Leu  
 50 55 60

His His Val Gly Gln Ala Gly Leu Gly Leu Leu Ala Ser Ser Asp Leu  
 65 70 75 80

Ser Ala Leu Ala Ser Pro Ser Ala Gly Ile Ile Gly Leu Ser His Cys  
 85 90 95

Thr Gln Gln Lys Thr Asn Phe Leu Lys Gln Asn  
 100 105

<210> 147  
 <211> 18  
 <212> PRT  
 <213> Homo sapien

<400> 147

Met Arg Ser Asn Phe Lys Lys Asn Ile Pro Ser Leu Glu Leu Phe Asn  
 1 5 10 15

Met Ser

<210> 148  
 <211> 99  
 <212> PRT  
 <213> Homo sapien

<400> 148

Leu Phe Ser Phe Ala Arg Gln Asp Val Ser Met Leu Pro Arg Leu Glu  
 1 5 10 15

Tyr Ser Gly Gly Ile Ile Ala His Cys Lys Leu Asp Val Leu Asp Ser  
 20 25 30

Ser Glu Leu Thr Ala Leu Thr Ser Gln Ile Ala Gly Thr Thr Gly Val  
 35 40 45

His His His Ala Arg Leu Ile Phe Thr Met Phe Met Gln Met Gly Ser  
 50 55 60

Cys Ser Val Ala Gln Ala Cys Leu Lys Leu Leu Ala Ser Asp Asp Pro  
 65 70 75 80

Pro Ala Phe Gly Ser Gln Ser Ala Gly Ile Ala Asp Val Ala His His  
 85 90 95

Ala Gln Pro

<210> 149  
 <211> 64  
 <212> PRT  
 <213> Homo sapien

<400> 149

Met Ser Val Ser Val Leu Pro Val Gln Pro Pro Thr Gly Leu Leu Trp  
 1 5 10 15

Gly Arg Ser Pro Pro Gly Ser Pro Ala Glu Leu His Gly Leu Pro Cys  
 20 25 30

Leu Thr Arg Asp Asn Arg Asp Phe Gly Ser Pro Ser Ala Asp Ala Phe  
 35 40 45

Val Leu Phe Leu Ile Arg Ser Arg Thr Arg Val Gly Arg Arg Val Met  
 50 55 60

<210> 150  
 <211> 23  
 <212> PRT  
 <213> Homo sapien

<400> 150



85

Met Val Glu Ser Gly Ile Glu Pro Glu Asn Ser Asp Ser Arg Leu Ser  
1 5 10 15

Cys Phe Ser His Arg Ala Val  
20

<210> 151  
<211> 27  
<212> PRT  
<213> Homo sapien

<400> 151

Met Ile Gln Arg Leu Leu Arg Gly His Asn Cys Ile Ser Ile Pro Asn  
1 5 10 15

Leu Phe Tyr Asn Glu Arg Ile Tyr Arg Ile His  
20 25

<210> 152  
<211> 26  
<212> PRT  
<213> Homo sapien

<400> 152

Met Pro Ser Ala Trp Lys Val Glu Asp Ser Gly Ile Arg Glu Arg Phe  
1 5 10 15

Arg Pro Gly Glu Met Glu Gly Ser Gly Thr  
20 25

<210> 153  
<211> 16  
<212> PRT  
<213> Homo sapien

<400> 153

Met Gln Val Trp Ser Gly Ile Phe Pro Asp Arg Gly Cys Cys Ser Cys  
1 5 10 15

<210> 154  
<211> 61  
<212> PRT  
<213> Homo sapien

<400> 154

Met Phe Met Trp His Arg Val Ala Asn Cys Leu Ser Leu Phe Val Ser  
1 5 10 15

Gln Asn Asp Phe Ala Asp Val Leu Gly Gln Ala Ser Pro Gly Trp Gln  
                   20                  25                  30

Pro Gly Ala Ala Val Lys Phe Ser Leu Thr Asn Ser Leu Pro Pro Phe  
           35                  40                  45

Pro His His Gly Thr Leu Val Leu Cys Val Thr Thr Val  
       50                  55                  60

<210> 155  
 <211> 69  
 <212> PRT  
 <213> Homo sapien

<400> 155

Met Pro Cys Trp Lys Leu Leu Met Asn Arg Ala Trp Ser Leu Thr Leu  
   1                  5                  10                  15

Gly Gly Gln Val Ile Tyr Arg Gly Asn Asp Asn Val Asn Pro Gly Pro  
           20                  25                  30

Trp Gly Ala Gly Ser Val Val Lys Glu Thr Gln His Thr Gln Gly Trp  
       35                  40                  45

Asp Pro Thr Gln Ala Lys Glu Gly Ser Thr Pro Ser Pro Asp Val Cys  
       50                  55                  60

Trp Asn Lys Glu Lys  
   65

<210> 156  
 <211> 51  
 <212> PRT  
 <213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (7)..(7)  
 <223> X=any amino acid

<400> 156

Met Lys Lys Lys Arg Phe Xaa Tyr Asn Ile Lys Ile Leu Val Asn Ser  
   1                  5                  10                  15

Trp Leu Glu Leu Tyr Ser Glu Ile Thr Val Phe Lys Lys Asp Arg Pro  
       20                  25                  30

Leu Pro Leu Ser Leu Trp Leu Met Ala Leu Ile Ile Thr Arg Ile Pro  
                   35                  40                  45

Lys Met Ser  
           50

<210> 157  
 <211> 126  
 <212> PRT  
 <213> Homo sapien

<400> 157

Met Lys Leu Leu Ser Arg Lys Met Trp His Ser Leu Leu Gly Gly Gly  
   1                  5                  10                  15

Trp Gly Gly Gly Lys Arg Glu Gly Arg Cys Pro Gln Leu Pro Pro Arg  
                   20                  25                  30

Ser Ile Asn Lys Lys Arg Ile Asp Pro Pro Ala Pro Phe Asn Ser Pro  
                   35                  40                  45

Pro Glu Leu Pro Pro Asn Ser Val Lys Thr Cys Gly Phe Asp Tyr Ser  
   50                  55                  60

Asp Glu Asn Asn Gly Cys Ser Val Glu Ile Cys Arg Ala His Thr His  
   65                  70                  75                  80

Met Ile Ser Lys Ser Asn Ser Val Ala Thr Val Pro Ile Arg Lys Thr  
                   85                  90                  95

His Gln Ala His Lys Arg Asp Pro Phe Ile Gln Arg Ser Leu Cys Ile  
                   100                  105                  110

Pro Ile Ser Thr His Ser Thr Cys Ile Phe Lys Pro Ile Ser  
                   115                  120                  125

<210> 158  
 <211> 84  
 <212> PRT  
 <213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (21)..(21)  
 <223> X= any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (35)..(35)  
 <223> X= any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (45)..(45)  
 <223> X= any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (48)..(48)  
 <223> X= any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (52)..(52)  
 <223> X= any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (58)..(58)  
 <223> X= any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (61)..(61)  
 <223> X= any amino acid

<400> 158

Met Lys Arg Pro Pro Val Leu Leu Gln Glu Lys Pro Pro Glu Gly Asn  
 1 5 10 15

Gly Ala Val Ala Xaa Trp Pro Val Val Thr Pro Arg Arg Gly Arg Gly  
 20 25 30

Gln Gly Xaa Leu Gly Pro Gln Asn Ile Val Pro Val Xaa Ser Phe Xaa  
 35 40 45

Ala Gly Leu Xaa Leu Leu Arg Ser Leu Xaa Gly Ser Xaa Leu Asn Ser  
 50 55 60

Leu Leu Ser Ala Ser Trp Ala Val Val Ser Gly His Arg Leu Leu Leu  
 65 70 75 80

Thr Ser Pro Pro

<210> 159  
 <211> 23  
 <212> PRT  
 <213> Homo sapien  
 <220>  
 <221> MISC\_FEATURE  
 <222> (20)..(20)  
 <223> X=any amino acid

<400> 159

Met Asp Ser Ala Lys Leu Gly His Ile Cys Tyr Thr Asp Asp Thr Ser  
 1 5 10 15

Leu Asp Val Xaa Ala Gln Thr  
 20

<210> 160  
 <211> 50  
 <212> PRT  
 <213> Homo sapien

<400> 160

Met Ile Asn Phe Ala Phe Val Val Cys His Lys Thr Thr Val Thr Val  
 1 5 10 15

Ser Leu Gln Leu Lys Ile Ile Gly Tyr Ala Thr Pro Glu Gly Asn Gln  
 20 25 30

His Ser Lys Cys Ile Pro Ser Ile Val Phe Ile Ile Cys Glu Arg Met  
 35 40 45

Ser His  
 50

<210> 161  
 <211> 57  
 <212> PRT  
 <213> Homo sapien

<400> 161

Met Met Pro Thr Asp Asn Leu Leu Met Ile Ser Ser Ile Leu Lys Asp  
 1 5 10 15

90

Val Cys Lys Thr Gln Pro Leu Arg Lys Asp Ser Tyr His Cys Ser His  
20 25 30

Arg His Pro Pro Gln Ser Tyr Thr Phe Pro Phe His Pro Pro Lys Gln  
35 40 45

Ile Ile Gln His Ile Tyr Phe Ile Leu  
50 55

<210> 162  
<211> 10  
<212> PRT  
<213> Homo sapien

<400> 162

Met Gly Ser Glu Arg Gly Ile Cys Gly Tyr  
1 5 10

<210> 163  
<211> 39  
<212> PRT  
<213> Homo sapien

<400> 163

Met Leu Ser Arg Ser Ile Gln Asn Phe Asn Phe Lys Pro Ser Ser Arg  
1 5 10 15

Ser Leu Leu Cys Tyr Leu Pro Ser Arg Pro Thr Thr Pro Val Ile Gln  
20 25 30

Leu Ile His Ala Gln Ile Leu  
35

<210> 164  
<211> 77  
<212> PRT  
<213> Homo sapien

<220>  
<221> MISC\_FEATURE  
<222> (4)..(4)  
<223> X=any amino acid

<400> 164

Met Ala Lys Xaa Trp Leu Val Gly Asp Val Lys Arg Arg Pro Pro Asp  
1 5 10 15

Gly Thr Ile Ser Gln Cys Gly Ala Pro Arg His Trp Ser His Ile Ala  
                   20                                  25                                  30

Asn Ser Asn Pro Gly Pro Ala His Gly Leu Trp Val Met Leu Ile Thr  
           35                                  40                                  45

Tyr Phe Pro Arg Leu Leu Phe Pro Ser Cys Lys Val Trp Ile Thr Ile  
       50                                  55                                  60

Ala Pro Val Ser Pro Gly Cys Gly Glu Asp Tyr Met Ser  
 65                                  70                                  75

<210> 165  
 <211> 72  
 <212> PRT  
 <213> Homo sapien  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (10)..(30)  
 <223> X=any amino acid

<400> 165

Met Leu Ile Leu Ile Ala Ser Lys Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                                  5                                  10                                  15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                   20                                  25                                  30

Ser Ser Leu Val Ser Ser Leu Asp Leu Asn Glu Asn Ile Ser Val Tyr  
           35                                  40                                  45

Phe Thr Thr Lys Tyr Glu Leu Ala Ser Gly Cys Ala Leu Phe Tyr Phe  
       50                                  55                                  60

Tyr Thr Glu Cys Phe Lys Thr Asn  
 65                                  70

<210> 166  
 <211> 57  
 <212> PRT  
 <213> Homo sapien  
  
 <220>  
 <221> MISC\_FEATURE  
 <222> (10)..(30)  
 <223> X=any amino acid

&lt;400&gt; 166

Met Ser Cys Ser Val Leu Leu Arg Lys Cys Tyr Asn Arg Ala Asp Gln  
 1 5 10 15

Phe His His Val Phe Ile Ile Thr Ile Leu Arg Trp Ala Leu Asn Thr  
 20 25 30

Ala Gln Gln Ala Cys His Phe His Leu Ile Ser Ser Ala Thr His Phe  
 35 40 45

Leu Leu Glu Leu Ala Ser Ser Asn Leu  
 50 55

&lt;210&gt; 167

&lt;211&gt; 121

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 167

Met Thr Pro Leu Leu Pro Gly Gly Glu Gln Leu Arg Glu Asn Trp Arg  
 1 5 10 15

Ala Gln Thr Thr Gln Leu Gly Arg Gly Gly Gly Leu Met Glu Pro Arg  
 20 25 30

Ala Leu Arg Ala Ser Pro Gly Ser Ser Pro Pro Ala Pro Pro Leu Pro  
 35 40 45

Glu Ser Pro Ser Leu Ser Trp Cys Ala Gly Arg Thr Cys Ala Ala Ala  
 50 55 60

Ala Gly Gly Gly Cys Thr Ser Gly Arg Glu Leu His Ala His Trp Glu  
 65 70 75 80

Gln Pro Met His Arg Pro Pro Arg Cys Ala Gln Val Ser Gly Ala Ser  
 85 90 95

Gly Lys Glu Glu Lys Ala Ala Val Ser Ala Leu Ser Leu Ser Leu Met  
 100 105 110

Pro Val Trp Asn Pro Thr Asp Glu Leu  
 115 120

&lt;210&gt; 168



<211> 17  
 <212> PRT  
 <213> Homo sapien

<400> 168

Met Gly Glu Val Val Tyr Leu Phe Lys Val Pro Cys Leu Val Tyr Thr  
 1 5 10 15

His

<210> 169  
 <211> 47  
 <212> PRT  
 <213> Homo sapien

<400> 169

Met Ser Asn Tyr Tyr Ser Phe Ile Ile Asn Leu Asn Ser Phe Gln Ile  
 1 5 10 15

Arg Ala Thr Pro Ser Pro Cys Pro Leu Phe Gln Glu Tyr Phe Gly Ser  
 20 25 30

Ser Trp Phe Phe Val Ser Pro Tyr Asp Asp Phe Thr Ile His Leu  
 35 40 45

<210> 170  
 <211> 33  
 <212> PRT  
 <213> Homo sapien

<400> 170

Met Lys Ala Ile Gln Ile Glu Glu Phe Phe Ala Ser Leu Leu Thr Gly  
 1 5 10 15

Pro Gly Val Leu Asp Asn Phe Leu Ser Lys Glu Glu Lys Asn Ile Phe  
 20 25 30

His

<210> 171  
 <211> 49  
 <212> PRT  
 <213> Homo sapien

<400> 171

94

Met Asp Ala Cys Leu Gly Asp Cys Gln Pro Gln Gly Arg Ser Ile Asp  
1 5 10 15

Leu Lys Tyr Glu Gln Thr Asp Asp Phe Ile Ile Met Thr Leu Ala Gln  
20 25 30

Asn Arg Asn Phe Gly Thr Glu Lys Asn Lys His Met Glu Phe Leu Lys  
35 40 45

Gly

<210> 172  
<211> 56  
<212> PRT  
<213> Homo sapien

<400> 172

Met Ser Leu Lys His Asn Asn Ile Ile Phe Tyr Ser Gln Glu Glu Leu  
1 5 10 15

Ile His Asp Arg Ile Ile Ser Leu Ala Ile Leu Tyr Ser Tyr Phe Val  
20 25 30

Leu Phe Ser Ser Phe Pro Leu Pro Phe Asp Asp Gln Phe Leu Tyr Lys  
35 40 45

Thr His Arg Tyr Ile Pro Phe Ile  
50 55

<210> 173  
<211> 79  
<212> PRT  
<213> Homo sapien

<400> 173

Met Gly Glu Ile Gln Val Asp Leu Asn Cys His His Gln Ser Arg Pro  
1 5 10 15

Arg Arg Arg Leu Leu Ser Arg Met Tyr Thr Trp Pro Leu Phe Ala Val  
20 25 30

Ala Val Leu Leu Leu Leu Arg Gly Glu Pro Ile Tyr Val Cys Leu Phe  
35 40 45

Leu Leu Ser Leu Ala Ala Gln Gln Asn Pro Val Ile Tyr Met Asn Lys

50

55

60

Phe Leu Glu Val Lys Arg Asp Glu Lys Phe Thr Lys Ser Pro Thr  
 65 70 75

<210> 174  
 <211> 30  
 <212> PRT  
 <213> Homo sapien

<400> 174

Met Val Leu Lys Gly Met Asn Ile Thr Glu Ile Glu Cys Phe Leu Gln  
 1 5 10 15

Val Glu Arg Leu His Ser Leu Ala Gly Thr Phe Cys Pro Ile  
 20 25 30

<210> 175  
 <211> 73  
 <212> PRT  
 <213> Homo sapien

<400> 175

Met Ala Gly Ala Gly Gly Gln His His Pro Pro Gly Ala Ala Gly Gly  
 1 5 10 15

Ala Ala Ala Gly Ala Gly Ala Ala Val Thr Ser Ala Ala Ser Ala  
 20 25 30

Gly Pro Gly Glu Asp Ser Ser Asp Ser Glu Ala Glu Gln Glu Gly Pro  
 35 40 45

Gln Lys Leu Ile Arg Lys Val Ser Thr Ser Gly Gln Ile Arg Thr Lys  
 50 55 60

Gly Phe Ile Met Leu Ala Arg Leu Val  
 65 70

<210> 176  
 <211> 33  
 <212> PRT  
 <213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (22)..(22)  
 <223> X=any amino acid

<400> 176

Met Glu Ile Trp Leu Leu Ala Leu Ala Phe Lys Lys Leu Ser Arg Arg  
1 5 10 15

Phe Tyr Val Gln Pro Xaa Leu Gly Thr Thr Val Leu Gly Asn Ile Arg  
20 25 30

Arg

<210> 177

<211> 22

<212> PRT

<213> Homo sapien

<400> 177

Met Leu Phe Ser Ile Leu Pro His Lys Gly Tyr Ile Leu Lys Asp Ile  
1 5 10 15

Trp Leu Leu Asn Leu Asn  
20

<210> 178

<211> 45

<212> PRT

<213> Homo sapien

<220>

<221> MISC\_FEATURE

<222> (21)..(21)

<223> X=any amino acid

<400> 178

Met Leu Leu Lys Gly Ser Asn Ser Lys Val Ser Arg Glu Tyr Ser Ala  
1 5 10 15

Thr Phe His Lys Xaa Thr Glu Gln Ser Ser Arg Asn Phe Phe Arg Ala  
20 25 30

Gly Ile Ala Leu Pro Pro Arg Ile Leu Thr Arg Phe Ser  
35 40 45

<210> 179

<211> 38

<212> PRT

<213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (21)..(22)  
 <223> X=any amino acid

<400> 179

Met Val Ala Thr Leu Trp Leu Asn Asn Phe Phe Arg Asn His Lys Asn  
 1 5 10 15

Ala Val Lys Asp Xaa Xaa Lys Arg Leu Lys Ala Ile Leu His Ser Leu  
 20 25 30

Val Tyr Met Lys Gly Asn  
 35

<210> 180  
 <211> 65  
 <212> PRT  
 <213> Homo sapien

<400> 180

Ser Trp Cys Ser Gly Leu Met Pro Ser Val Leu Asn Ser Ile Ser Cys  
 1 5 10 15

Val Pro Gly Lys Gly Arg Gly His Ser Leu Glu Trp Phe Pro Gly Glu  
 20 25 30

Lys Ser Gln Ser Asn Leu Cys Ser Ser Phe Leu Asn Lys Asn Arg Arg  
 35 40 45

Gln Asn Lys Gly His Arg Asp Lys Gly Leu Leu Thr Arg Leu Ala Asn  
 50 55 60

Gln  
 65

<210> 181  
 <211> 12  
 <212> PRT  
 <213> Homo sapien

<400> 181

Met Ala Phe Gly Ile Tyr Gln Cys Leu Gly Met Phe  
 1 5 10

<210> 182  
 <211> 23  
 <212> PRT  
 <213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (21)..(21)  
 <223> X=any amino acid

<400> 182

Met Leu Leu Thr Pro Gln Pro Trp Phe Phe Lys Val Ile Phe Val Asn  
 1 5 10 15

Tyr Lys Val Arg Xaa Tyr Lys  
 20

<210> 183  
 <211> 29  
 <212> PRT  
 <213> Homo sapien

<400> 183

Met Tyr Lys Ile Arg Lys Ser Arg Pro Glu Glu Asp Ser His Cys Leu  
 1 5 10 15

Gln Arg Thr Ala Lys Gly Lys Gly Phe Lys Ile Phe Asn  
 20 25

<210> 184  
 <211> 58  
 <212> PRT  
 <213> Homo sapien

<400> 184

Met Leu Phe Leu Val Ser Ala Ala Leu Ser Ser Ser Leu Thr Asp Asn  
 1 5 10 15

Cys Arg Ala Gln Val Gly Arg Lys Asn Ser Val Cys Leu Leu Gly Ser  
 20 25 30

Ala Ser Ala Pro Val Ser Asn Thr Gly Val Thr Gly Gly Leu Leu Asn  
 35 40 45

Val Lys Tyr Lys Gly Ser Ser Phe Ser Leu  
 50 55

<210> 185  
 <211> 21  
 <212> PRT  
 <213> Homo sapien

<400> 185

Met Gln Cys Gln Gln Leu Gly Phe Ser Glu Ile Ile Ser Arg Leu Gln  
 1 5 10 15

Ser Asn Gln Ile Ser  
 20

<210> 186  
 <211> 16  
 <212> PRT  
 <213> Homo sapien

<400> 186

Met Lys Val Glu Arg Gln Phe Glu Ala Arg Ser Leu Thr Asp Ser Leu  
 1 5 10 15

<210> 187  
 <211> 104  
 <212> PRT  
 <213> Homo sapien

<400> 187

Gln Ile Val Asn Phe Phe Phe Phe Leu Arg Trp Ser Leu Ala Leu Val  
 1 5 10 15

Thr Gln Ala Gly Val Gln Trp Pro Asp Leu Ser Ser Leu Gln Pro Leu  
 20 25 30

Pro Pro Gly Phe Lys His Phe Ser Cys Leu Ser Leu Pro Ser Ser Ala  
 35 40 45

Asp Leu Ser His Val Pro Leu Cys Pro Ala Asn Phe Ala Asn Phe Phe  
 50 55 60

Val Glu Met Gly Ser His Cys Val Thr Gln Ala Gly Leu Ala Val Leu  
 65 70 75 80

Ala Ala Ser Asp Ser Leu Thr Leu Ala Pro Gln Ser Ala Gly Ile Ile  
 85 90 95

Gly Met Ser His Gly Ala Cys Pro  
 100

<210> 188  
 <211> 41  
 <212> PRT  
 <213> Homo sapien

<400> 188

Met Asp Arg Asp Leu Arg Pro Ala Pro Arg Asp Thr Lys Asp Gly Ser  
 1 5 10 15

Ser Val Ala Ser Ser Pro Asn Ser Ile Cys Pro Cys Leu Ala Arg Cys  
 20 25 30

Arg Glu Asp Phe Pro Thr Gln Glu Lys  
 35 40

<210> 189  
 <211> 39  
 <212> PRT  
 <213> Homo sapien

<400> 189

Met Cys Leu Lys Gln Ile Leu Leu Glu Phe Pro Lys Arg Leu Asp Ile  
 1 5 10 15

Ile Asn Thr Phe Met Tyr Thr Trp His Pro Thr Arg Ala Val Cys Phe  
 20 25 30

Tyr Lys Lys Trp His Lys Asn  
 35

<210> 190  
 <211> 53  
 <212> PRT  
 <213> Homo sapien

<400> 190

Phe Ser Ser Leu Met Lys Val Ile Thr Asp Trp Ala Gln Trp Leu Thr  
 1 5 10 15

Pro Val Ile Pro Val Leu Trp Glu Val Ala Val Val Gly Ala Leu Glu  
 20 25 30

Ala Arg Ser Leu Arg Pro Ala Trp Glu Thr Ala Thr Pro Phe Pro Phe  
 35 40 45



Ala Lys Lys Lys Lys  
50

<210> 191  
<211> 44  
<212> PRT  
<213> Homo sapien

<400> 191

Met Lys Ala Leu Cys Arg Leu Ser Val Leu Gln Met Leu Val Met Gly  
1 5 10 15

Met Val Val Met Arg Lys Val Met Pro Val Thr Met Arg Arg Gly Asp  
20 25 30

Ala Val Asn Ser Ile His Pro Val Leu Gly Lys Tyr  
35 40

<210> 192  
<211> 53  
<212> PRT  
<213> Homo sapien

<400> 192

Met Ser Leu Ser Leu Asp Ser Leu Ser Ser Ile Cys Leu Ile Val Asp  
1 5 10 15

Leu Leu Asn Phe Ser Tyr Met Glu Phe Thr Glu Arg Leu Glu Cys Glu  
20 25 30

Asp Gln His Phe Ser Ser Asn Leu Val Ser Phe Gln Ala Met Ile Ser  
35 40 45

Ser Asp Ile Leu Pro  
50

<210> 193  
<211> 124  
<212> PRT  
<213> Homo sapien

<400> 193

Met Arg Phe Leu Leu Pro Ala Ala Glu Lys Arg Lys Glu Asn Ser Ala  
1 5 10 15

Gly Ala Pro Leu Ala Ser Pro Arg Val Thr Thr Met Phe Ser His Asp  
20 25 30

Arg Gln Thr Gly Ala Leu Leu Leu Cys Asp Pro Pro Arg Ala Ala Glu  
                   35                                  40                                  45

Ser Ile Leu Ile His Leu Gly Thr Pro Ala Gln Glu Glu Pro Gly Pro  
           50                                  55                                  60

Ser Pro Phe Arg Asp Val Asp Pro Leu Arg Gly Glu Phe Ser Ser Val  
   65                                  70                                  75                                  80

Asp Ser Asp Leu Leu Arg Leu Thr Ser Leu Gly Asn Pro Ala Ile Ala  
                                   85                                  90                                  95

Val Gly Asn Gln Val Ala Ala Trp Ala His Met Ala Ser Arg Arg Leu  
                   100                                  105                                  110

Arg Leu Thr Ser Lys Arg His Ser Gln Arg Arg Lys  
           115                                  120

<210> 194  
 <211> 44  
 <212> PRT  
 <213> Homo sapien

<400> 194

Met Phe Gln Arg Ile Ser Val Phe Ser Pro Ala Ile Thr Asn Lys Ser  
   1                                  5                                  10                                  15

Ser Gly Phe Ala Val Pro Pro Cys Lys Asn Tyr Lys Met Ala Glu Asn  
                   20                                  25                                  30

Asn Ala Cys Phe Ile Ile Leu Val Lys Trp Ser Thr  
           35                                  40

<210> 195  
 <211> 27  
 <212> PRT  
 <213> Homo sapien

<400> 195

Met Val Arg Arg His Ile Gly Ser Ala Val Arg Trp Pro Leu Phe Phe  
   1                                  5                                  10                                  15

Ser Asn Trp Ser Pro Tyr Ala Ser Cys Cys Asn  
           20                                  25

<210> 196  
 <211> 31  
 <212> PRT  
 <213> Homo sapien

<400> 196

Met Thr Lys Ile Cys Phe Leu Asn Pro Thr Leu Ala Phe Lys Lys Ile  
 1 5 10 15

Gln Ser Lys Ile Phe Arg Leu Phe Leu Lys Asp Glu Lys Ala Ala  
 20 25 30

<210> 197  
 <211> 25  
 <212> PRT  
 <213> Homo sapien

<400> 197

Met Tyr Met His Tyr Arg Asp Arg Lys Thr Gln Phe Asn Ile Lys Asn  
 1 5 10 15

Asn Ile Ser Leu Leu Asn Asn Ala Val  
 20 25

<210> 198  
 <211> 82  
 <212> PRT  
 <213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (80)..(80)  
 <223> X=any amino acid

<400> 198

Met Gly Met Val Ala Gly Ala Pro Thr Ala Trp Asn Pro Glu Asp Lys  
 1 5 10 15

Gly Cys Ile Leu Leu Gly Arg Gln Ser Tyr Glu Leu Asp Ala Met Trp  
 20 25 30

Pro Leu Gly Ala Leu Cys Arg Thr Ala Thr Ile Pro Ala Leu Leu Asp  
 35 40 45

Gly Glu Ser Glu Ala Leu Arg Ser Asp Glu Asn Gln Trp Gln Ser Gln  
 50 55 60

Met Tyr His Phe Ser His Thr Leu Thr Phe Phe Cys Phe Val Pro Xaa  
 65 70 75 80

Phe Phe

<210> 199  
 <211> 46  
 <212> PRT  
 <213> Homo sapien

<400> 199

Met Pro Leu Arg Ser Lys Leu Val Asn Ile His Leu Phe Leu Thr Thr  
 1 5 10 15

Ala Thr Val Phe Ser Leu Tyr Thr Asn Tyr Thr Ala Ser Lys Phe Ser  
 20 25 30

Ser Phe Pro Ala Ser Asn Gln Glu Phe Asn Met Glu Val Gln  
 35 40 45

<210> 200  
 <211> 74  
 <212> PRT  
 <213> Homo sapien

<400> 200

Met Gln Val Gln Arg Pro Thr Ser Trp Gly His Ile Ser Thr Ala Phe  
 1 5 10 15

Arg Ala Ala Pro Glu Ser Ser Arg Ser Phe Leu Ser Leu Leu Gln Thr  
 20 25 30

Phe Phe Glu Lys Trp Thr Phe His Pro His Val Pro Ser Val Trp Leu  
 35 40 45

Arg Lys Ser Thr Ser Gly Pro Trp Glu Gly Pro Gly Lys Pro Phe Pro  
 50 55 60

Leu Ser Leu Trp Cys Val Gly Ile Asn Leu  
 65 70

<210> 201  
 <211> 150  
 <212> PRT  
 <213> Homo sapien

&lt;400&gt; 201

Met Asn Gly Lys Thr Gln Cys Lys Ala Pro Asn Asp Ser Val Arg Ser  
 1 5 10 15

Val Val Gly Arg Thr Asn Thr Trp Ile His Arg Thr Glu Ile Asp Asn  
 20 25 30

Leu Ala Cys Asp Glu Leu Lys Ala Asp Ile Leu Asn Trp Trp Arg Lys  
 35 40 45

Glu Tyr Leu Leu Ile Ile Gly Ile Thr Ala Phe Leu Phe Leu Phe Arg  
 50 55 60

Gly Ala Ile Leu Lys Asp Lys Gln Pro Thr Gly Lys Leu Gly Gln His  
 65 70 75 80

Asn Thr Asn Arg Gln Cys Thr Val Glu Ile Tyr Lys Trp Pro Ile Asn  
 85 90 95

Met Glu Met Phe Asp Phe Val Arg Asn Gln Gly Asn Ser Ser Glu Asn  
 100 105 110

Lys Val Leu Ser Ile Thr Arg Leu Val Lys Thr Lys Gln Asn Asn Leu  
 115 120 125

Ser Ile Leu Ile Pro Leu Thr Val Gly Lys Gly Leu Glu Lys Trp Val  
 130 135 140

Leu Leu Trp Arg Val Asn  
 145 150

&lt;210&gt; 202

&lt;211&gt; 33

&lt;212&gt; PRT

&lt;213&gt; Homo sapien

&lt;400&gt; 202

Met Ala Ala Arg Leu Pro Thr Leu Thr Arg Tyr Lys Phe Ser Ser Leu  
 1 5 10 15

Gly Ser Trp Tyr Lys Ser Gln Pro Phe Gln Leu Val Met Asn Glu Arg  
 20 25 30

Ala

<210> 203  
 <211> 68  
 <212> PRT  
 <213> Homo sapien

<220>  
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 <222> (9)..(9)  
 <223> X=any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (23)..(23)  
 <223> X=any amino acid

<220>  
 <221> MISC\_FEATURE  
 <222> (42)..(42)  
 <223> X=any amino acid

<400> 203

Met Gln His His Phe Ser Leu His Xaa Pro Cys Arg Asp Leu Pro Gly  
 1 5 10 15

Ala Gln Lys Lys Lys Asp Xaa Ile Cys Cys Ser Gln Glu Met Leu His  
 20 25 30

Ile Val His Leu Pro Ala Ser Tyr Arg Xaa Tyr Lys Tyr Glu Ser Thr  
 35 40 45

Asn Ser Leu Gly Phe Asn Asn Val Thr Tyr Ile Tyr His Lys Val Ala  
 50 55 60

Ile Pro Asp His  
 65

<210> 204  
 <211> 34  
 <212> PRT  
 <213> Homo sapien

<400> 204

Met Thr Ala Ser Leu Cys Leu Gln Pro Lys Pro Leu Leu Ser Thr Asn  
 1 5 10 15

Pro Tyr Ala His Gly Ala Glu Thr Ala Gln Pro Ser Val Lys Glu Pro  
                   20                  25                  30

Gly Phe

<210> 205  
 <211> 115  
 <212> PRT  
 <213> Homo sapien

<400> 205

Leu Ala Ala Ile Tyr Gly Phe Leu Ser Phe Phe Phe Phe Phe Phe  
 1                  5                  10                  15

Ala Asp Lys Val Ser Leu Ser Pro Arg Leu Glu Ala Cys Asn Gly Thr  
                   20                  25                  30

Ile Thr Ala His Gly Ser Phe Asp Phe Leu Gly Ser Gly Asp Pro Pro  
                   35                  40                  45

Thr Ser Ala Ser Ala Ile Ala Gly Thr Gly Ala His His His Ile Ala  
                   50                  55                  60

Leu Leu Phe Val Phe Phe Val Glu Val Gly Ser Arg Tyr Val Ala Gln  
 65                  70                  75                  80

Ala Ala Leu Gln Leu Leu Arg Ser Gly Asp Leu Pro Ala Ser Ala Ser  
                   85                  90                  95

Gln Ser Thr Gly Ile Thr Gly Thr Ser His Cys Ser Trp Pro Tyr Met  
                   100                  105                  110

Val Leu Phe  
                   115

<210> 206  
 <211> 28  
 <212> PRT  
 <213> Homo sapien

<400> 206

Met Phe Ala Ser Tyr Lys Leu Asn Asn Tyr Ser Tyr Pro Val Leu Val  
 1                  5                  10                  15

Leu Tyr Ala Thr Leu Phe Pro His His Met Ile Phe

108

20

25

<210> 207  
<211> 68  
<212> PRT  
<213> Homo sapien

<400> 207

Met Ser Leu Ser Pro Ile Tyr Phe Asn Ala Ser Phe Val Ile Ser Glu  
1 5 10 15

Tyr Met Ser Asn Phe Tyr Phe Asn Ser Thr Cys His Leu Cys Tyr Glu  
20 25 30

Asp Trp Lys Pro Ser Phe Ser Pro Gly Leu Gly Glu Ala Lys Cys Phe  
35 40 45

Thr Tyr Leu Glu Cys Leu Cys His Ser Asn Phe Gln Leu Val Cys Asn  
50 55 60

Cys Ser Phe Asn  
65

<210> 208  
<211> 39  
<212> PRT  
<213> Homo sapien

<400> 208

Met Asn Glu Tyr Val Asn Glu Cys Leu Asn Glu Trp Ser Gly Met Asn  
1 5 10 15

Pro Val Ser Pro Val Leu Cys Pro Pro Leu Ile His Ser Val Thr Leu  
20 25 30

Gly Arg Thr Phe Asn His Ser  
35

<210> 209  
<211> 45  
<212> PRT  
<213> Homo sapien

<400> 209

Met Pro Phe Pro Ser His Ser Leu Leu Leu His Phe Phe Pro Pro Glu  
1 5 10 15



Arg Leu Ser Ser Gly Pro Tyr Glu Ile Ala Ser Ile Gln Leu Phe Phe  
                   20                  25                  30

Ile Leu Lys Gly Asp Asn Ser Ile Ser Phe Asn Leu Asn  
           35                  40                  45

<210> 210  
 <211> 70  
 <212> PRT  
 <213> Homo sapien

<400> 210

Leu Gly Ser Leu Gln Pro Pro Pro Pro Gly Phe Lys Ala Phe Ser Cys  
 1                  5                  10                  15

Leu Ser Leu Pro Ser Ser Trp Asp His Ala Arg Pro Pro Ala Cys Leu  
           20                  25                  30

Ala Lys Phe Cys Ile Phe Ser Lys Asp Arg Val Ser Pro Cys Trp Pro  
           35                  40                  45

Gly Trp Ser Ala Thr Ala Asp Leu Val Ile Arg Pro Pro Leu Pro Pro  
           50                  55                  60

Lys Val Leu Gly Leu Gln  
 65                  70

<210> 211  
 <211> 24  
 <212> PRT  
 <213> Homo sapien

<400> 211

Met Leu Asn Cys Leu Phe Cys Ile Leu Ala Ile Val Lys Ser Ala Thr  
 1                  5                  10                  15

Asn Arg Ile Ala Asn Val Ser Ser  
           20

<210> 212  
 <211> 492  
 <212> PRT  
 <213> Homo sapien

<400> 212

Thr Lys Phe Ile Lys Leu Ser Lys Tyr Lys Asn Ile Ile Lys Lys Ser

1		5		10		15											
Ala	Ala	Phe	Leu	Tyr	Ile	Ser	Asn	Tyr	Leu	Lys	Met	Lys	Phe	Lys	Lys		
		20						25					30				
Ile	Pro	Ser	Thr	Ala	Leu	Ala	Phe	Glu	Val	Asn	Leu	Thr	Lys	Lys	Leu		
		35					40					45					
Lys	His	Leu	Thr	Phe	Tyr	Ser	Lys	Glu	His	Tyr	Thr	Asn	Ala	Val	Thr		
	50					55					60						
His	Lys	Trp	Asn	Asn	Ile	Thr	His	Ser	Ala	Thr	Gly	Ile	Phe	Asn	Ser		
65					70					75					80		
Ala	Ile	Phe	Val	Leu	His	Lys	Met	Ile	Cys	Arg	Tyr	Asn	Ala	Thr	Ser		
			85						90					95			
Ile	Lys	Ile	Pro	Val	Thr	Tyr	Phe	Ile	Asp	Ile	Phe	Lys	Lys	Ala	Tyr		
			100					105					110				
Leu	Lys	Phe	Ile	Trp	Tyr	His	Lys	Thr	Pro	Ala	Ile	Ala	Lys	Ala	Ile		
		115					120					125					
Lys	Thr	Lys	Glu	Gly	Ile	Thr	Pro	Asp	Phe	Glu	Ile	His	Tyr	Lys	Thr		
	130					135					140						
Val	Val	Thr	Lys	Thr	Val	Cys	His	Leu	Asn	Lys	Asn	Arg	Asp	Ile	Gly		
145					150					155					160		
Gln	Trp	Ser	Arg	Arg	Lys	Arg	Glu	Gln	Lys	Tyr	Ile	Ser	Val	Phe	Thr		
				165					170					175			
Ala	Asn	Ala	Phe	Ala	Ile	Gln	Val	Thr	Phe	Phe	Phe	Ala	Gly	Lys	Asn		
			180					185					190				
Ser	Ile	Phe	Asn	Lys	Ala	Cys	Leu	Glu	Asn	Phe	Met	Ser	Thr	Cys	Arg		
		195					200					205					
Lys	Lys	Lys	Ala	Asp	Pro	His	Leu	Thr	Pro	Tyr	Val	Lys	Ile	Asn	Ser		
	210					215					220						
Lys	Ala	Ile	Ser	His	Leu	Asn	Val	Arg	Pro	Lys	Thr	Leu	Lys	Leu	Leu		
225					230					235					240		

Tyr Gln Lys Ile Glu Ala Lys Pro His Asn Ile Gly Leu Gly Ser Lys  
 245 250 255

Phe Phe Asp Leu Thr Ala Ile Ser Gln Asp Thr Lys Gly Arg Thr Ser  
 260 265 270

Gln Ser Asp His Phe Lys Leu Lys Ser Cys Cys Thr Glu Ser Asp Thr  
 275 280 285

Ala Thr Glu Val Thr Thr Lys Lys Arg Glu Lys Ile Phe Ala Asn Tyr  
 290 295 300

Thr Cys Asp Lys Gly Leu Ile Ala Lys Ile Tyr Thr Lys Leu Lys Ala  
 305 310 315 320

Gln Tyr Asn Lys Asn Lys Ala Leu Leu Lys Ile Ser Ser Ala Asn Lys  
 325 330 335

Tyr Phe Ser Arg Lys Tyr Ile His Met Ala Asn Ala Tyr Ile Ala Lys  
 340 345 350

Cys Ser Met Ser Ile Ile Thr Lys Lys Ala Ser Gln Lys Arg Lys Asn  
 355 360 365

Lys Thr Arg Arg Tyr Gln Leu Ile Pro Val Arg Met Thr Leu Ile Lys  
 370 375 380

Lys Lys Lys Arg Trp Ala Arg Cys Glu Glu Lys Gly Arg Leu Ala His  
 385 390 395 400

Cys Trp Phe Glu Cys Lys Ala Arg Gln Pro Leu Ala Lys Thr Lys Ala  
 405 410 415

Arg Phe Leu Lys Lys Leu Lys Leu Pro Cys His Thr Ala Ile Ala Leu  
 420 425 430

Leu Asp Ile Tyr Pro Lys Gln Ile Lys Ser Glu Ala Arg Asn Ile Cys  
 435 440 445

Asn Ser Val Tyr Ala Leu Phe Thr Ile Ala Lys Ile Gln Asn Lys Ser  
 450 455 460

Leu Thr Ser Asn Glu Ala Met Lys Thr Met Trp Ala Ile Tyr Thr Thr  
 465 470 475 480

Glu Tyr Tyr Phe Ala Asn Lys Lys Ile Pro Phe Leu  
                             485                            490

<210> 213  
 <211> 37  
 <212> PRT  
 <213> Homo sapien

<400> 213

Met Met Leu Pro Pro Asn Leu Glu Asn Thr Gly Ser His Ile Ser Pro  
 1                            5                            10                            15

Glu Trp Arg Phe Met Arg Arg Asn Thr Asn Glu Lys Lys Lys Trp Ser  
                             20                            25                            30

Met Lys Pro Glu Leu  
                             35

<210> 214  
 <211> 67  
 <212> PRT  
 <213> Homo sapien

<400> 214

Met Cys His Glu Leu Trp Pro Cys Leu Tyr Phe Tyr Phe Asn Arg Asn  
 1                            5                            10                            15

His Leu Phe Lys Gln Lys Val Leu His Leu Asn Cys His Asn Cys Val  
                             20                            25                            30

Cys Val Ile Asn Ile Ser Tyr Phe Ile Gln Ala Gln Pro Thr Leu Ala  
                             35                            40                            45

Phe Ile Asn Ala His Asn Gln Glu Ile Asn Leu Ile Leu Thr Lys Asn  
                             50                            55                            60

Tyr Pro Ser  
 65

<210> 215  
 <211> 12  
 <212> PRT  
 <213> Homo sapien

<400> 215

Met Ser His Asn Ile Asp Leu Leu Gly Lys Asp Phe

113

1 5 10

<210> 216  
 <211> 39  
 <212> PRT  
 <213> Homo sapien

<400> 216

Met Arg Glu Cys Gly Glu Ser Ile Cys Pro Ser Leu Ala Gly His Arg  
 1 5 10 15

Leu Ser Arg Gly Ala Val Glu Val Glu Thr Thr Gln Asp Ser Glu Ser  
 20 25 30

Pro Gln Val His Pro Gly Pro  
 35

<210> 217  
 <211> 89  
 <212> PRT  
 <213> Homo sapien

<400> 217

Met Leu Leu Ser Cys Cys Ser Gln Asn Gln Lys Met Ala Ser Arg Ser  
 1 5 10 15

Ala Gln Ser Ser Gln Glu Gln Met Leu Arg Val Thr Leu Glu Ser Phe  
 20 25 30

Cys Cys Leu His Ile Gln Thr Ile Thr Ile Ser Leu Ile Ser Leu Leu  
 35 40 45

Tyr Ile Phe His Met Cys Pro Leu Leu Ser Ile Cys Thr Leu Ile Ser  
 50 55 60

Glu Gly His Gln His Leu Ser Ser Glu Cys Leu Gln Tyr Leu Leu Thr  
 65 70 75 80

Gly His Gln Ala Ser Ser Phe Ala Pro  
 85

<210> 218  
 <211> 56  
 <212> PRT  
 <213> Homo sapien

<400> 218

Met Asp Cys Thr Ala Val Gly Arg Gly Thr Arg Arg Ala Ser Ala Pro  
 1 5 10 15

Thr Cys Glu Arg Arg Pro Arg Gly Leu Arg Cys Arg Arg Pro Val Ala  
 20 25 30

Pro Pro Pro Arg Ala Leu Ser Ala Val Asn Leu Gly Arg Arg Arg Trp  
 35 40 45

Gly Ser Gly Lys Arg Arg Ala Gln  
 50 55

<210> 219  
 <211> 36  
 <212> PRT  
 <213> Homo sapien

<400> 219

Ala Ala Ala Ala Pro Pro Pro Ala Pro Pro His His Gly Ala Ala Ala  
 1 5 10 15

Pro Pro Pro Gly Gln Leu Ser Pro Ala Ser Pro Ala Thr Ala Ala Pro  
 20 25 30

Pro Ala Pro Ala  
 35

<210> 220  
 <211> 85  
 <212> PRT  
 <213> Homo sapien

<400> 220

Met Ala Gly Pro Arg Cys Pro Arg Lys Gly Arg Thr Asn Thr Cys Val  
 1 5 10 15

Cys Ser Ala Asn Pro Leu Glu Ala Val Gln Lys Pro Leu Ala Ala Gly  
 20 25 30

Pro Thr Arg Arg Gly Gly Gly Trp Asp Pro Ala Gly Ala Gly Ala Ala  
 35 40 45

Trp Leu His Gly Leu Tyr Ser Val Tyr Thr Ala Gly Gly Arg Gly Gly  
 50 55 60

Arg Leu Arg Phe Leu Arg Tyr Gln Ser Arg Arg Phe Gly His Leu Arg  
65 70 75 80

Ala Pro Ala Ala Gly  
85

<210> 221  
<211> 376  
<212> PRT  
<213> Homo sapien

<400> 221

Met Met Ala Ser Tyr Pro Glu Pro Glu Asp Ala Ala Gly Ala Leu Leu  
1 5 10 15

Ala Pro Glu Thr Gly Arg Thr Val Lys Glu Pro Glu Gly Pro Pro Pro  
20 25 30

Ser Pro Gly Lys Gly Gly Gly Gly Gly Gly Gly Thr Ala Pro Glu Lys  
35 40 45

Pro Asp Pro Ala Gln Lys Pro Pro Tyr Ser Tyr Val Ala Leu Ile Ala  
50 55 60

Met Ala Ile Arg Glu Ser Ala Glu Lys Arg Leu Thr Leu Ser Gly Ile  
65 70 75 80

Tyr Gln Tyr Ile Ile Ala Lys Phe Pro Phe Tyr Glu Lys Asn Lys Lys  
85 90 95

Gly Trp Gln Asn Ser Ile Arg His Asn Leu Ser Leu Asn Glu Cys Phe  
100 105 110

Ile Lys Val Pro Arg Glu Gly Gly Gly Glu Arg Lys Gly Asn Tyr Trp  
115 120 125

Thr Leu Asp Pro Ala Cys Glu Asp Met Phe Glu Lys Gly Asn Tyr Arg  
130 135 140

Arg Arg Arg Arg Met Lys Arg Pro Phe Arg Pro Pro Pro Ala His Phe  
145 150 155 160

Gln Pro Gly Lys Gly Leu Phe Gly Ala Gly Gly Ala Ala Gly Gly Cys  
165 170 175

Gly Val Ala Gly Ala Gly Ala Asp Gly Tyr Gly Tyr Leu Ala Pro Pro  
                   180                  185                  190

Lys Tyr Leu Gln Ser Gly Phe Leu Asn Asn Ser Trp Pro Leu Pro Gln  
                   195                  200                  205

Pro Pro Ser Pro Met Pro Tyr Ala Ser Cys Gln Met Ala Ala Ala Ala  
           210                  215                  220

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Gly Pro Gly Ser Pro Gly  
   225                  230                  235                  240

Ala Ala Ala Val Val Lys Gly Leu Ala Gly Pro Ala Ala Ser Tyr Gly  
                   245                  250                  255

Pro Tyr Thr Arg Val Gln Ser Met Ala Leu Pro Pro Gly Val Val Asn  
                   260                  265                  270

Ser Tyr Asn Gly Leu Gly Gly Pro Pro Ala Ala Pro Pro Pro Pro Pro  
                   275                  280                  285

His Pro His Pro His Pro His Ala His His Leu His Ala Ala Ala Ala  
   290                  295                  300

Pro Pro Pro Ala Pro Pro His His Gly Ala Ala Ala Pro Pro Pro Gly  
   305                  310                  315                  320

Gln Leu Ser Pro Ala Ser Pro Ala Thr Ala Ala Pro Pro Ala Pro Ala  
                   325                  330                  335

Pro Thr Ser Ala Pro Gly Leu Gln Phe Ala Cys Ala Arg Gln Pro Glu  
                   340                  345                  350

Leu Ala Met Met His Cys Ser Tyr Trp Asp His Asp Ser Lys Thr Gly  
                   355                  360                  365

Ala Leu His Ser Arg Leu Asp Leu  
   370                  375

<210> 222

<211> 19

<212> PRT

<213> Homo sapien

<400> 222



117

Met Gln Tyr Phe Ser Leu Pro Val Leu Thr Leu Leu Met Val Pro Phe  
1 5 10 15

Ile Phe Ile

<210> 223  
<211> 30  
<212> PRT  
<213> Homo sapien

<400> 223

Met Pro Leu Lys His Ile Lys Phe Lys Asn Leu Phe Leu Leu Ala Leu  
1 5 10 15

Glu Ile Leu Trp Asn Phe Thr Trp Asn Leu Ile Leu Gly Arg  
20 25 30

<210> 224  
<211> 52  
<212> PRT  
<213> Homo sapien

<400> 224

Met Leu Ile Met Lys Glu Thr His Glu Gln Leu Ser Glu Glu Ser Gly  
1 5 10 15

Glu Val Gly Met Ile Ser Glu His Arg Gly Gly Ser Pro Ala Trp Gly  
20 25 30

Leu Pro Asn Pro Asp Ala Gln Lys Phe Leu Ser Arg Pro His Tyr Thr  
35 40 45

Gly Met Ile Asp  
50

<210> 225  
<211> 52  
<212> PRT  
<213> Homo sapien

<400> 225

Met Gly Leu Asn Pro Gly Val Cys Leu Glu Pro Gln Leu Val Cys Asp  
1 5 10 15

Thr Asp His His Phe Leu Lys Thr Ile Tyr Lys Asn Lys Thr Arg Cys  
20 25 30

Met Lys Phe Arg Phe Trp Lys Lys Val Gln Val Phe Met Asn Ile Ser  
35 40 45

Glu Leu Pro Lys  
50

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<210> 226
<211> 19
<212> PRT
<213> Homo sapien
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<220>
<221> MISC_FEATURE
<222> (14)..(14)
<223> X=any amino acid
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<220>
<221> MISC_FEATURE
<222> (18)..(18)
<223> X=any amino acid
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<400> 226

Met Asp Asn Glu Asn Gln Asn Ile Lys Lys Glu Lys Lys Xaa Lys Lys  
1 5 10 15

Lys Xaa Lys

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<210> 227
<211> 75
<212> PRT
<213> Homo sapien
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<400> 227

Phe Phe Phe Leu Arg Gln Ser Leu Ala Leu Ser Pro Arg Leu Glu Cys  
1 5 10 15

Ser Gly Ala Ile Ser Ala His Cys Lys Leu Arg Leu Pro Gly Ser Cys  
20 25 30

His Phe Pro Ala Ser Ala Ser Gln Val Ala Glu Thr Thr Gly Thr Arg  
35 40 45

His Asn Ala Arg Val Ile Phe Cys Ile Leu Val Glu Thr Gly Phe His  
50 55 60

Arg Val Ser Gln Asp Gly Leu Asp Leu Leu Thr  
65 70 75

<210> 228  
<211> 95  
<212> PRT  
<213> Homo sapien

<400> 228

Met Arg Arg Ala Lys Ala Pro Lys Ile Arg Gly Thr Ala Asn Ala Thr  
1 5 10 15

Asp Arg Lys Lys Ala Glu Gly Lys Ser Ala Ser Ser Arg Leu Arg Pro  
20 25 30

Arg Gly Pro Ala Leu Ala Pro Ala Ser Ile His Arg Glu His Thr Gln  
35 40 45

Glu Ala Phe Glu Trp Pro Gly Phe Leu Val Ser Leu Ala Gln Arg Gln  
50 55 60

Glu Leu Glu His Glu Arg Ser Ser Glu Thr Leu Trp Val Leu Pro Thr  
65 70 75 80

Leu Arg Gln Ala Ser Gln His Leu His Ala Leu Leu Cys Ser Pro  
85 90 95

<210> 229  
<211> 98  
<212> PRT  
<213> Homo sapien

<400> 229

Met Val Gly Ala Ser Pro Gly Gly Met Gly Cys Glu Gly Gly Arg Met  
1 5 10 15

Arg Ala Arg Arg Phe Ser Leu Gly Asp Pro Ala Thr Gln Ser His Leu  
20 25 30

Pro Leu Thr Glu Gly Ser Arg Ala Pro Ser Gly Pro Leu Ala Thr Lys  
35 40 45

Ala Gln Leu Lys Ser Gln Lys Gly His Ile Arg Ser Gln Ala Thr Gly  
50 55 60

120

Thr Ala His Val Arg Asn Val Ser Ala Met Glu Lys Tyr Lys Thr Arg  
65 70 75 80

Lys Glu Val Cys Gly Pro Asn Arg Thr Cys Leu Ser Thr Phe Tyr Cys  
85 90 95

Asn Val

<210> 230  
<211> 84  
<212> PRT  
<213> Homo sapien

<400> 230

Met Asp Thr Thr Asn Asn Gln Ile Asn Leu Tyr Ile His Thr Lys Phe  
1 5 10 15

Phe Leu Lys Ile Lys Val Asn Thr Ser Ile Ser Lys Arg Leu Phe Ser  
20 25 30

Pro Tyr Phe Asn Ile His Ile Phe Cys Met Phe Ile Tyr Val His Gly  
35 40 45

Gly Cys Phe Tyr Ile Pro Arg Lys Phe Arg Cys Tyr Ser Arg Arg Leu  
50 55 60

Ser Ile Ile His Thr Ala Val Lys Trp Ser Pro Ala Leu Ser Arg His  
65 70 75 80

Pro Thr Ala Gln

<210> 231  
<211> 924  
<212> PRT  
<213> Homo sapien

<400> 231

Gly Arg Leu Thr Phe Arg Asp Val Ala Ile Glu Phe Ser Leu Ala Glu  
1 5 10 15

Trp Lys Cys Leu Asn Pro Ser Gln Arg Ala Leu Tyr Arg Glu Val Met  
20 25 30

Leu Glu Asn Tyr Arg Asn Leu Glu Ala Val Asp Ile Ser Ser Lys Arg

35

40

45

His Asp Glu Gly Gly Leu Val Asn Arg Ala Arg Gln Tyr Arg Ser Asp  
 50 55 60

Pro His Arg Asp Ile Ala Lys Ile Ser Lys Leu Ser His Trp Arg Phe  
 65 70 75 80

Leu Leu Pro Gly Asn Ala Glu Arg Asn Ser Ala Tyr Ala Val Ser Val  
 85 90 95

Ser Arg Arg Glu Arg Asn Gly His Glu Ala Pro Met Thr Lys Ile Lys  
 100 105 110

Lys Leu Thr Gly Ser Thr Asp Gln His Asp His Arg His Ala Gly Asn  
 115 120 125

Lys Pro Ile Lys Asp Gln Leu Gly Ser Ser Phe Tyr Ser His Leu Pro  
 130 135 140

Glu Leu His Ile Ile Gln Ile Lys Gly Lys Ile Gly Asn Gln Phe Glu  
 145 150 155 160

Lys Ser Thr Ser Asp Ala Pro Ser Val Ser Thr Ser Gln Arg Ile Ser  
 165 170 175

Pro Arg Pro Gln Ile His Ile Ser Asn Asn Tyr Gly Asn Asn Ser Pro  
 180 185 190

Asn Ser Ser Leu Leu Pro Gln Lys Gln Glu Val Tyr Met Arg Glu Lys  
 195 200 205

Ser Phe Gln Cys Asn Glu Ser Gly Lys Ala Phe Asn Cys Ser Ser Leu  
 210 215 220

Leu Arg Lys His Gln Ile Pro His Leu Gly Asp Lys Gln Tyr Lys Cys  
 225 230 235 240

Asp Val Cys Gly Lys Leu Phe Asn His Lys Gln Tyr Leu Thr Cys His  
 245 250 255

Arg Arg Cys His Thr Gly Glu Lys Pro Tyr Lys Cys Asn Glu Cys Gly  
 260 265 270

Lys Ser Phe Ser Gln Val Ser Ser Leu Thr Cys His Arg Arg Leu His  
 275 280 285

Thr Ala Val Lys Ser His Lys Cys Asn Glu Cys Gly Lys Ile Phe Gly  
 290 295 300

Gln Asn Ser Ala Leu Val Ile His Lys Ala Ile His Thr Gly Glu Lys  
 305 310 315 320

Pro Tyr Lys Cys Asn Glu Cys Asp Lys Ala Phe Asn Gln Gln Ser Asn  
 325 330 335

Leu Ala Arg His Arg Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys  
 340 345 350

Glu Glu Cys Asp Lys Val Phe Ser Arg Lys Ser Thr Leu Glu Ser His  
 355 360 365

Lys Arg Ile His Thr Gly Glu Lys Pro Tyr Lys Cys Lys Val Cys Asp  
 370 375 380

Thr Ala Phe Thr Trp Asn Ser Gln Leu Ala Arg His Lys Arg Ile His  
 385 390 395 400

Thr Gly Glu Lys Thr Tyr Lys Cys Asn Glu Cys Gly Lys Thr Phe Ser  
 405 410 415

His Lys Ser Ser Leu Val Cys His His Arg Leu His Gly Gly Glu Lys  
 420 425 430

Ser Tyr Lys Cys Lys Val Cys Asp Lys Ala Phe Ala Trp Asn Ser His  
 435 440 445

Leu Val Arg His Thr Arg Ile His Ser Gly Gly Lys Pro Tyr Lys Cys  
 450 455 460

Asn Glu Cys Gly Lys Thr Phe Gly Gln Asn Ser Asp Leu Leu Ile His  
 465 470 475 480

Lys Ser Ile His Thr Gly Glu Gln Pro Tyr Lys Tyr Glu Glu Cys Glu  
 485 490 495

Lys Val Phe Ser Cys Gly Ser Thr Leu Glu Thr His Lys Ile Ile His  
 500 505 510

Thr Gly Glu Lys Pro Tyr Lys Cys Lys Val Cys Asp Lys Ala Phe Ala  
 515 520 525

Cys His Ser Tyr Leu Ala Lys His Thr Arg Ile His Ser Gly Glu Lys  
 530 535 540

Pro Tyr Lys Cys Asn Glu Cys Ser Lys Thr Phe Arg Leu Arg Ser Tyr  
 545 550 555 560

Leu Ala Ser His Arg Arg Val His Ser Gly Glu Lys Pro Tyr Lys Cys  
 565 570 575

Asn Glu Cys Ser Lys Thr Phe Ser Gln Arg Ser Tyr Leu His Cys His  
 580 585 590

Arg Arg Leu His Ser Gly Glu Lys Pro Tyr Lys Cys Asn Glu Cys Gly  
 595 600 605

Lys Thr Phe Ser His Lys Pro Ser Leu Val His His Arg Arg Leu His  
 610 615 620

Thr Gly Glu Lys Ser Tyr Lys Cys Thr Val Cys Asp Lys Ala Phe Val  
 625 630 635 640

Arg Asn Ser Tyr Leu Ala Arg His Thr Arg Ile His Thr Ala Glu Lys  
 645 650 655

Pro Tyr Lys Cys Asn Glu Cys Gly Lys Ala Phe Asn Gln Gln Ser Gln  
 660 665 670

Leu Ser Leu His His Arg Ile His Ala Gly Glu Lys Leu Tyr Lys Cys  
 675 680 685

Glu Thr Cys Asp Lys Val Phe Ser Arg Lys Ser His Leu Lys Arg His  
 690 695 700

Arg Arg Ile His Pro Gly Lys Lys Pro Tyr Lys Cys Lys Val Cys Asp  
 705 710 715 720

Lys Thr Phe Gly Ser Asp Ser His Leu Lys Gln His Thr Gly Leu His  
 725 730 735

Thr Gly Glu Lys Pro Tyr Lys Cys Asn Glu Cys Gly Lys Ala Phe Ser  
 740 745 750

Lys Gln Ser Thr Leu Ile His His Gln Ala Val His Gly Val Gly Lys  
           755                              760                              765  
  
 Leu Asp Ala Cys Asn Asp Cys His Lys Val Phe Ser Asn Ala Thr Thr  
       770                              775                              780  
  
 Ile Ala Asn His Trp Arg Ile Tyr Asn Glu Ala Arg Ser Asn Lys Cys  
 785                              790                              795                              800  
  
 Asn Lys Cys Gly Lys Phe Phe Arg His His Ser Tyr Ile Ala Val His  
                               805                              810                              815  
  
 Ala His Thr His Thr Gly Glu Lys Pro Tyr Lys Cys His Asp Cys Gly  
                               820                              825                              830  
  
 Lys Val Phe Ser Gln Ala Ser Ser Tyr Ala Lys His Arg Arg Ile His  
       835                              840                              845  
  
 Thr Gly Glu Lys Pro His Met Cys Asp Asp Cys Gly Lys Ala Phe Thr  
       850                              855                              860  
  
 Ser Cys Ser His Leu Ile Arg His Gln Arg Ile Pro Thr Gly Gln Lys  
 865                              870                              875                              880  
  
 Ser Tyr Lys Cys Gln Lys Cys Gly Lys Val Leu Ser Pro Arg Ser Leu  
                               885                              890                              895  
  
 Leu Ala Glu His Gln Lys Ile His Phe Ala Asp Asn Cys Ser Gln Cys  
                               900                              905                              910  
  
 Ser Glu Tyr Ser Lys Pro Ser Ser Ile Asn Ala His  
       915                              920

<210> 232  
 <211> 322  
 <212> PRT  
 <213> Homo sapien

<220>  
 <221> MISC\_FEATURE  
 <222> (291)..(299)  
 <223> X=any amino acid

<400> 232



## 125

Met Leu Ala Ala Cys Leu Met Thr Pro Asp His Pro Thr Ala Gly Asn  
 1 5 10 15  
 Gln Pro Leu Arg Thr Pro Ser His Val Pro Gly Thr Cys Arg Cys Arg  
 20 25 30  
 Ser Gln His Pro Ala Val Trp Ala Leu Tyr Asp Asp Gln Leu Gly Asn  
 35 40 45  
 Val Gly Asp His His Val Ala Thr His Met Val Gly Pro His Asp His  
 50 55 60  
 Ile Leu Pro Ile Leu Gln Leu Leu Leu Pro Gly Asp Leu Arg Pro Gly  
 65 70 75 80  
 Pro Ala His His Ile Thr Glu Glu Thr His Cys Leu Thr His Gly Asp  
 85 90 95  
 Arg Leu Val His Thr Val Val Glu Gln Arg Arg Asp Arg His Val Gln  
 100 105 110  
 Leu Arg Gly Leu Trp Gly Gly Cys Ala Gly Val His Gly Gly Leu Arg  
 115 120 125  
 Cys Trp Gly Ala Gly Val Gly Pro Gly Glu Val Ile Ala Ala Gly Tyr  
 130 135 140  
 Asn Gly Gln Cys Asp Ala Phe Gly Ala Gly Leu Gly Ile His Val Ala  
 145 150 155 160  
 Ala Val Ile Val Gly Glu Ala Val Arg Gly Ala Gly Lys Ala Gly Leu  
 165 170 175  
 Leu Leu Thr Ala Val Phe Ala Leu Thr His Gly Leu Ala Ile Pro Asp  
 180 185 190  
 Val Thr Leu Arg Ala Leu Leu Gln Thr His Glu Val Val Thr Cys Gly  
 195 200 205  
 Leu Leu Gly His Ala His Trp Ala Leu Leu Pro Phe His Val His Val  
 210 215 220  
 Ala Gly Arg His Ala Ala Leu Gly Pro Thr Tyr Val Gly Ala Ala Leu  
 225 230 235 240

Leu Ile Gly Leu Thr Leu Leu Val Arg Leu Thr Leu Pro Pro Ala Gly  
245 250 255

Ala Leu Cys Val His Pro Glu Val Gly Ile His Val Val Gly Ala Asp  
260 265 270

Ala Gly Val Gly Ile Ala Asp Gly Arg Gln Arg Gln Ala Ser Arg Gly  
275 280 285

His Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys His Leu Leu Pro  
290 295 300

Ala Arg Pro Glu Pro Ala Thr Pro Trp Gly Pro His Gly Ala Gly Trp  
305 310 315 320

Gly Gly

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<210> 233
<211> 503
<212> PRT
<213> Homo sapien
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<400> 233

Glu Cys Glu Thr Tyr Glu Lys Cys Cys Pro Asn Val Cys Gly Thr Lys  
1 5 10 15

Ser Cys Val Ala Ala Arg Tyr Met Asp Val Lys Gly Lys Lys Gly Pro  
20 25 30

Val Gly Met Pro Lys Glu Ala Thr Cys Asp His Phe Met Cys Leu Gln  
35 40 45

Gln Gly Ser Glu Cys Asp Ile Trp Asp Gly Gln Pro Val Cys Lys Cys  
50 55 60

Lys Asp Arg Cys Glu Lys Glu Pro Ser Phe Thr Cys Ala Ser Asp Gly  
65 70 75 80

Leu Thr Tyr Tyr Asn Arg Cys Tyr Met Asp Ala Glu Ala Cys Ser Lys  
85 90 95

Gly Ile Thr Leu Ala Val Val Thr Cys Arg Tyr His Phe Thr Trp Pro  
100 105 110

Asn	Thr	Ser	Pro	Pro	Ala	Pro	Glu	Thr	Thr	Met	His	Pro	Ser	Thr	Ala
		115					120					125			
Ser	Pro	Glu	Thr	Pro	Glu	Leu	Asp	Met	Ala	Val	Pro	Ala	Leu	Leu	Asn
	130					135					140				
Asn	Arg	Val	His	Gln	Ser	Val	Thr	Met	Gly	Glu	Thr	Val	Ser	Phe	Leu
145					150					155					160
Cys	Asp	Val	Val	Gly	Arg	Pro	Arg	Pro	Glu	Ile	Thr	Trp	Glu	Lys	Gln
				165					170					175	
Leu	Glu	Asp	Arg	Glu	Asn	Val	Val	Met	Arg	Pro	Asn	His	Val	Arg	Gly
			180					185					190		
Asn	Val	Val	Val	Thr	Asn	Ile	Ala	Gln	Leu	Val	Ile	Tyr	Asn	Ala	Arg
	195						200					205			
Leu	Gln	Asp	Ala	Gly	Ile	Tyr	Thr	Cys	Thr	Ala	Arg	Asn	Val	Ala	Gly
	210					215					220				
Val	Leu	Arg	Ala	Asp	Phe	Pro	Leu	Ser	Asp	Gly	Gln	Gly	Ser	Ser	Gly
225					230					235					240
Met	Gln	Pro	Ala	Ser	Glu	Ser	Ser	Pro	Asn	Gly	Thr	Ala	Phe	Pro	Ala
				245					250					255	
Ala	Glu	Cys	Leu	Lys	Pro	Pro	Asp	Ser	Glu	Asp	Cys	Gly	Glu	Glu	Gln
			260					265					270		
Thr	Arg	Trp	His	Phe	Asp	Ala	Gln	Ala	Asn	Asn	Cys	Leu	Thr	Phe	Thr
		275					280					285			
Phe	Gly	His	Cys	His	Arg	Asn	Leu	Asn	His	Phe	Glu	Thr	Tyr	Glu	Ala
	290					295					300				
Cys	Met	Leu	Ala	Cys	Met	Ser	Gly	Pro	Leu	Ala	Ala	Cys	Ser	Leu	Pro
305					310					315					320
Ala	Leu	Gln	Gly	Pro	Cys	Lys	Ala	Tyr	Ala	Pro	Arg	Trp	Ala	Tyr	Asn
				325					330					335	
Ser	Gln	Thr	Gly	Gln	Cys	Gln	Ser	Phe	Val	Tyr	Gly	Gly	Cys	Glu	Gly
			340					345					350		

Asn Gly Asn Asn Phe Glu Ser Arg Glu Ala Cys Glu Glu Ser Cys Pro  
 355 360 365

Phe Pro Arg Gly Asn Gln Arg Cys Arg Ala Cys Lys Pro Arg Gln Lys  
 370 375 380

Leu Val Thr Ser Phe Cys Arg Ser Asp Phe Val Ile Leu Gly Arg Val  
 385 390 395 400

Ser Glu Leu Thr Glu Glu Pro Asp Ser Gly Arg Ala Leu Val Thr Val  
 405 410 415

Asp Glu Val Leu Lys Asp Glu Lys Met Gly Leu Lys Phe Leu Gly Gln  
 420 425 430

Glu Pro Leu Glu Val Thr Leu Leu His Val Asp Trp Ala Cys Pro Cys  
 435 440 445

Pro Asn Val Thr Val Ser Glu Met Pro Leu Ile Ile Met Gly Glu Val  
 450 455 460

Asp Gly Gly Met Ala Met Leu Arg Pro Asp Ser Phe Val Gly Ala Ser  
 465 470 475 480

Ser Ala Arg Arg Val Arg Lys Leu Arg Glu Val Met His Lys Lys Thr  
 485 490 495

Cys Asp Val Leu Lys Glu Phe  
 500

<210> 234

<211> 89

<212> PRT

<213> Homo sapien

<400> 234

Met Phe Leu Phe Leu Leu Gln Pro Pro Pro Ser Ser Leu Ser Pro Leu  
 1 5 10 15

Leu Pro Pro Ser Leu Pro Ala Phe Ser Ser Ser Phe Ile Ser Pro Ala  
 20 25 30

Thr Lys Gln Ile Pro Gly Leu Leu Ser Asp Leu Cys Pro Arg Lys Pro  
 35 40 45

Val Ala Tyr Glu Ser Thr Pro Ser Ile Arg Gln Lys Leu Gln Thr Val  
 50 55 60

Val Ser Pro Ala Glu Gly Cys Val Trp Gly Pro Trp Asp Glu Gly Ile  
 65 70 75 80

Cys Val Gly Ala Leu Arg Thr Gly Gln  
 85

<210> 235  
 <211> 29  
 <212> PRT  
 <213> Homo sapien

<400> 235

Met Gly Gly Ala Leu Leu Pro Pro Asp Arg Asp Glu Ser Pro Arg Tyr  
 1 5 10 15

Leu Leu Asn Leu Cys Asn Thr Pro Ala Gly Lys Leu Gly  
 20 25

<210> 236  
 <211> 38  
 <212> PRT  
 <213> Homo sapien

<400> 236

Met Pro Ser Leu Ser Glu Ser Ile Leu Leu Ser Ser Glu Val Cys Asp  
 1 5 10 15

Trp Thr Lys Leu Ser Thr Ile Phe Ser Ser Ala Asn Asn Leu Leu Leu  
 20 25 30

Ile Cys Cys Lys Val Ser  
 35

<210> 237  
 <211> 33  
 <212> PRT  
 <213> Homo sapien

<400> 237

Met Leu Pro Ser Gly Val Lys Lys Phe Phe Val Asp Arg Ala Phe Glu  
 1 5 10 15

130

Leu Arg Ser Phe Lys Tyr Thr Thr Asp Val Pro Leu Arg Glu Thr Asp  
20 25 30

Leu

<210> 238  
<211> 88  
<212> PRT  
<213> Homo sapien

<400> 238

Met Gln Ala Ser Pro Leu Gln Ile Arg Gln Asn Pro Ala Leu Phe Leu  
1 5 10 15

Val Met Thr Phe Pro Thr Ala Arg Gly His Lys Ser Met Ile Gln His  
20 25 30

Tyr Arg Asn Pro Pro Thr Ser Arg Lys Val Ser Thr Thr His Lys Asp  
35 40 45

Ser His Val His Ala Asp Thr Lys Thr His Phe Arg Glu Glu Ala Pro  
50 55 60

Arg His Ser Leu Lys Pro Gln Leu Gly Thr Phe Leu His Asp Asn Ser  
65 70 75 80

Ser Ala Ser Leu Gly Gln Cys Asn  
85